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CATALOGUE
1911

The
W. W. BARNARD CO.
SEEDSMEN

SEEDS
BULBS
SHRUBS

108-110 W. KINZIE ST.
BRANCH STORE 117 5TH AVE.
CHICAGO, ILL.

Grass Seed for Lawns, Pleasure Grounds, Etc.

The most beautiful feature of a city home or country estate is a well-kept lawn. Beds of many-hued flowers and stately trees embellish the surroundings, but it will be conceded that it is the rich, velvety, green lawn which completes the pleasing picture. We have with us men who are experts on Lawn Work.

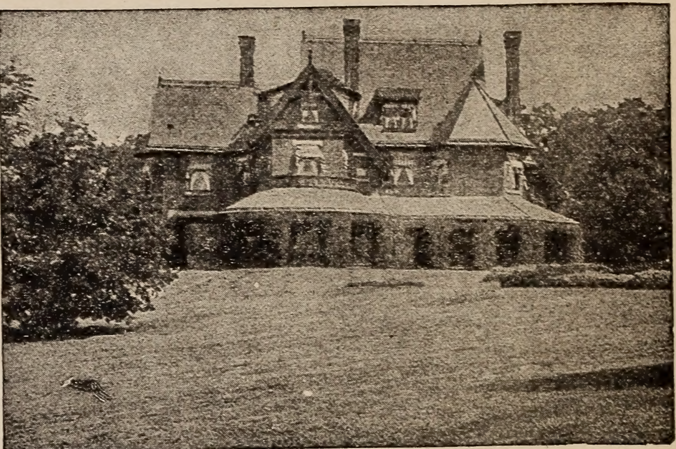
HINTS ABOUT LAWNS—Their Formation and Care

The ground should be thoroughly drained, and if not naturally rich, fertilizers should be added before sowing. For this purpose bone dust, crushed bone, or fertilizers containing bone and potash are the best. Four or five hundred pounds per acre is usually sufficient. For small plots, 10 pounds to about 400 square feet.

Work the soil by plowing or spading until thoroughly pulverized, being careful to leave the entire surface as near alike as possible, that the grass may be even in its growth; finish by harrowing or raking until made fine, and finally level by use of heavy roller. We recommend Dunham's Ball Bearing Lawn Rollers. See page 92 for sizes and prices.

Seeding may be done in **spring or fall.** If done during the hot months of summer, the ground must be kept moderately moist. With the ground prepared as directed, let the surface be gone over with a fine rake, and the seed evenly scattered, after which carefully rake or brush the seed in and follow with the roller. **To secure the best results use plenty of seed—about 75 pounds per acre being the right quantity. One pound is sufficient for 300 square feet.**

Let the grass get a good start before cutting—say a growth of 3 or 4 inches. When well rooted, a lawn should be trimmed with a lawn mower about once in ten days. No lawn can be maintained long in good order without successive rollings, which work should be done in the spring before the ground becomes dry. In very dry weather a thorough wetting should be given about once a week, a little water on a dry surface often doing more harm than good. Old lawns can be improved and renewed by the application of fertilizers and seeding about one-half the quantity for new lawns.



Mixtures for Lawns, Tennis Courts, Putting Greens, Etc.

☞ **In addition to prices on Grass Seeds add 8c per lb. if to be mailed.**

BARNARD'S "PERPETUAL GREEN" LAWN MIXTURE. A combination of various native and foreign dwarf-growing, fine-leaved grasses, carefully balanced and blended, which will produce a turf that will retain its rich green color throughout the entire season. Use it for Lawns, Croquet Grounds, and Tennis Courts. Lb., 25c; 5 lbs., $1.20; 10 lbs., $2.25. In larger quantities ask for special prices.

BARNARD'S "SPECIAL" LAWN MIXTURE. This mixture is composed of grasses selected irrespective of cost as representing the best low-growing, narrow-leaved varieties of fine texture and color. In preparing this "Special" mixture only seeds of the highest grades and extra heavy weight are employed. It costs more, but "it's worth more." Seeded liberally upon good ground well prepared a lawn of the very highest excellence will result. Lb., 40c; 5 lbs., $1.75.

TERRACE MIXTURE. For seeding side hills, terraces, embankments, etc. A mixture of grasses whose roots penetrate deeply and bind the soil. When sowing, add to the mixture about one-fifth part of oats, which holds the soil together until the grass has made a good start. Lb., 40c; 5 lbs. for $1.75.

SHADY PLACE MIXTURE. Made up of grasses specially selected for locations shaded by trees or buildings. Lb., 35c; 5 lbs., $1.65.

PUTTING GREEN MIXTURE. This is designed to produce a very close, dense sward. Lb., 30c; 5 lbs., $1.40.

FAIR GREEN, OR GOLF LINKS MIXTURE. Made from our own formula to secure a turf that will stand hard usage and yet present a good appearance. Lb., 30c; 5 lbs. for $1.40.

LAWN FERTILIZER

This is made up of various fertilizing ingredients, not only to invigorate the lawn, but to enable the grass to stand hot dry weather. It is fine, dry powder, not unpleasant to handle. Apply at any time during the season, scattering it evenly over the surface. The best results are obtained by spreading this fertilizer in spring and in September and October or during rainy periods in summer. **There are no weed seeds in this fertilizer.** For making new lawns it should be applied at the rate of 25 lbs. for 1,200 square feet. For top dressing use half the quantity. Price, not prepaid: 10 lbs., 45c; 25 lbs., 95c; 50 lbs., $1.75; 100 lbs., $3.00.

PULVERIZED SHEEP MANURE. An excellent fertilizer, not only for the lawn, but the vegetable garden and to mix with potting soil. Applied to the lawn, its effect is apparent immediately. Makes the richest, safest, and quickest liquid manure. For use in liquid form, one pound to five gallons of water will make a solution which can be used with safety daily if necessary. Price, not prepaid: 10 lbs., 25c; 25 lbs., 60c; 50 lbs., $1.00; 100 lbs., $1.50; 500 lbs., $6.50.

AMMONIATED LAWN LIME

Destroys Dandelions, Plantain, and any other broad-leaved weed with hairy surface, on the lawn, at the same time promoting the growth of the finer grasses. By its use the most weedy and impoverished lawn, golf ground, tennis court, bowling green or putting green is quickly transformed into a perfect sward of fine grass without the aid of any other fertilizer. Ammoniated Lawn Lime applied on a bright sunny day will destroy all the weeds in evidence in about 48 hours. Apply at the rate of one pound to forty square feet; one hundred pounds to four thousand square feet. It is better to apply after the weeds have gotten a start. The spring months will show the best after-results on the grass. In very hot weather water the grass the evening before applying and again in forty-eight hours afterwards.

Prices: 2-lb., tin, 25c; 5-lb. tin, 50c; 25-lb. bag, $2.00; 50-lb., $3.50; 100-lb., $6.00. **Purchaser pays transit charges.**

ORDER SHEET

The W. W. BARNARD COMPANY
108-110 West Kinzie Street - CHICAGO

REMINDER!

☞ Please be particular to write your **name and address** distinctly and in full with each order. Give plain shipping instructions, naming express or railroad you prefer goods shipped by. Always order **Vegetable Seeds by name; Flower Seeds by number** (even if you also write the name). **Write each item** on a seperate line and carry out the price. If your order amounts to $1.00 or more for seed sold by packets and ounces, you are entitled to a discount (see page 5). It must be understood that seeds sold in packets and by ounces are the only ones to which the large rebate applies. We cannot allow this discount on seeds sold by collections or by measure, nor on bulbs, plants, potatoes, implements and garden tools.

Seeds are forwarded at any Time. Bulbs, plants, trees, etc., when safe, usually in the early days of April

Your Name ....

Post-Office .... **R. F. D.** ......

County .... **State** ....

Express or Freight Office } ....
State on this line whether wanted sent by Mail, Express or Freight.

No. ....

How to Forward Money Safely.—Read first page of Catalogue.

Amount Enclosed, $ ....

State if sent by P. O. Order, Express Order, Draft, Postal Note, Etc. ....

Date ....

QUANTITY	NAMES OF SEEDS OR PLANTS WANTED.	PRICE.	

Table of Carefully Prepared Cultural Information for the Latitude of Chicago.

Soil Preparation and Suitable Fertilizer.	Amount of Good Seed (Average size).		To sprout well the thermom'r in the		Approximate date to plant seed.	Name of VEGETABLE	HOW TO BE PLANTED.			DEPTH to cover	THIN to ? Rich soil farthest apart	Time for Crop to mature	Approx. YIELD under favorable conditions varies with season and sorts.
	1 oz. (or pint) average will sow :	Per acre Varies with distance.	Soil should read	Shade sh. av.			Drills	Hills	Transplant				
South slope. Sandy loam, well manured the *previous* year.	1 pint to 200 ft. 6-9 seeds to ft.	24-32, quarts	75°	60°	May 15 to June 15	**Bush Bean**	2-3 ft.	....	....	2 in.	4 in to 1 ft.	45-65 days.	75-120 bu. pods.
Warm, light soil. Manure in the hill with quick starter (blood or bone).	1 pint will plant 80 hills, 6 seeds each	12 16 quarts	80°	65°	May 15 to June 15	**Pole Bean**	....	4 x 4	....	2 in.	3-4 plants.	65-70 days.	75-100 bu. dry beans.
Fine, clean sandy loam, deeply stirred, rich with well rotted manure.	200 ft., 8 seed balls to a foot.	5-7 lbs.	75°	45°	Mar. 15 to Apr. 15	**Beets, Early**	12 to 18 in.	....	Thinnings to fill gaps	1 in.	4 in.	65 days	400-700 bu., or 1000-1200 bun.
Not quite so rich, otherwise the same;	200 ft., 8 seed balls to a foot.	5-7 lbs.	75°	45°	Mar. 15 to Apr. 15	**Beets, Late or Field**	2-3 ft.	....	Thinnings to fill gaps	1 in.	6-8 in.	150 days.	15-70 tons.
Well drained, heavy loam. *Plenty* of manure. Top dress with sodium nit.	3000-5000 plants from seed bed.	2 oz.	70°	45°	Mar. 15 to Apr. 15	**Cabbage. Early**	Seed bed	Set 18 x 30 in.	flats and open gr'd.	½ in.	....	105 days.	8000 solid hds.
Less manure, but *frequent*, shallow culture. Nitrate of soda.	3000-5000 plants from seed bed.	2 oz.	70°	45°	Mar. 15 to Apr. 15	**Cabbage, Late**	Seed bed or in field	2 ft. x 3½	open gr'd.	½ in.	1 in a hill.	150 days.	5000 solid hds.
Loam, *deep*, *fine*, and free from weed seeds, well rotted manure.	300-600 ft. 30 seeds to ft.	2-4 lbs.	70°	45°	Mar. 15 to Apr. 15	**Carrot**	18 in.	....	....	½ in.	3 in.	150 days.	10-40 tons. 400-700 bu.
As with cabbage, but needs a moist soil, frequently stirred on top.	3000-6000 plants from seed bed.	2 oz.	70°	45°	Mar. 15 to Apr. 15	**Cauliflower**	Seed bed	Set 24 x 24 in.	Into flats & open gr'd.	½ in.	....	110 days.	5000-8000 hds.
Moist and very rich; fine and easy to work in "handling" the plants.	15000 plants from seed bed.	2 oz.	70°	45°	Mar. 15 to Apr. 15	**Celery**	Moist seed bed	shade till well up.	flats and open gr'd.	Shallow	Row 3-4 ft. 6 in. in row.	Season.	15000-20000 hds.
Rather stiff, warm and rich, with quick acting (well rotted) manure.	50 ft., 3 grains to ft., 35 hills 6 to each	8 to 12 qts.	75°	60°	May 1 to June 15	**Corn** Small and Early sorts	3 ft. or	2½ x 2 ft.	....	2 in.	9 in. in row. 8 to hill.	55-70 days.	1000-1200 doz. green ears.
Heavy, moist soil, with coarser manure. Keep the surface well stirred.	50 ft., 2 to ft., 25 hills, 5 to hill.	8-9 qts.	75°	60°	May 1 to June 15	**Corn** Large and Late	3-4 ft. or	3 x 3 ft.	....	3 in.	1 ft. in row. 8 to hill.	80-100 days.	1100-1800 doz. green ears.
Fall plowed, or sandy loam. Warm exposure. Manure extra in hill.	100 hills, 10 or 12 to hill.	1-2 lbs.	80°	60°	May 20 to June 20	**Cucumber, Pickle**	....	5 x 5 ft.	....	2 in.	3-4 per hill.	46-60 days.	150000 fruit.
Warm soil and exposure. Very rich. Stimulate with liquid manure.	2000-3000 plants.	2-4 oz.	80°	70°	June 1 to July 1	**Egg Plant**	Seed bed	3 x 3 ft.		Shallow	....	150-160 days.	8000-1000 fruits.
Warm, light soil, rich with well rotted compost. Top dress with nit. of soda	1000 ft. row, 22 seeds to ft.	3 lbs. in drill, 1½ lbs, use seed bed	70°	45°	Mar. 15 to Apr. 15	**Lettuce**	12-24 in.	Transp. t 1½ x 1½	To round s needed.	½ in.	12 in. in row.	65 days.	15000-20000 good hds.
Very warm and dry soil, fairly rich. Manure in hill to start quickly.	100 hills, 12 to hill	1-2 lbs., depends on size of seed.	80°	60°	May 20 to June 20	**Musk Melons**	....	6 x 6 ft.	....	1-2 in.	3 good plants.	120-140 days.	6000-1000 ripe melons.
Melons need a quick manure in hill, and later can feed on coarse material	12-15 hills, 10 seeds each.	3-4 lbs., depends on size of seed.	80°	60°	May 20 to June 20	**Water Melon**	....	8 x 8 ft.	....	1-2 in.	3 plants.	120-140 days.	4000 ripe melons.
Fall plow, moist, *very rich* soil. free from weed seeds. Stir surface often.	300 ft., 20 to a foot.	4-6 for bulbs; 40-100 for sets.	65°	45°	Mar. 15 to Apr. 15	**Onion**	14-20 in.	....	Large grow'g sort	1 in.	3-4 in.	135-150 days.	500-600 bu.
Moderately rich, but light and warm. Use wood ashes or potash manure.	15 ft. row, 10 to ft. 150 ft. to pt., 10 to ft	2-3 bu., as to size and distance.	65°	45°	Mar. 15 to Apr. 15	**Pea, Dwarf**	36 in., double row	....	....	2-3 in.	....	40-55 days.	100 bu. pods.
Same—Keep dust mulch by surface cultivation, moisture must be saved	100 ft. to 1 pint 9 peas to ft.	2 bu.	65°	45°	Mar. 15 to Apr. 15	**Pea, Climbing**	4-5 ft.	....	....	3-4 in.	....	60-75 days.	150 bu. pods.
Deeply stirred, mellow soil, rich with well rotted manure.	300 ft. drill, 20 seeds to ft.	4-6 lbs.	70°	45°	Mar. 15 to Apr. 15	**Parsnip**	2-3 ft.	....	....	½ in.	6 in.	Season	500-800 bu.
Sandy and well enriched. Quick acting manure (liquid form best).	150 ft. drill, 6 seeds to ft.	10-12 lbs.	70°	45°	Mar. 1 to Apr. 15	**Radish**	10-18 in.	....	....	½ in.	1-3 in.	30-45 days.	....
Any rich, well prepared soil. Dress with nitrate of soda.	100 ft. drill, 30 seeds to ft.	8-10 lbs.	70°	45°	Mar. 15 to Apr. 15	**Spinach**	12-18 in.	....	....	1 in.	....	....	200 bar
Fall plowed sod, warm and well drained. Manure in hill to start quickly.	25-30 hill, 10 seeds each.	2 lbs.	85°	60°	May 25 to June 25	**Squash, Bush**	....	4 x 4 ft.	....	2 in.	plants to hill.	60-65 days.	70000-90000 fruit
Fall plowed sod, warm and well drained. Manure in hill to start quickly.	10-15 hills, 7 seeds each.	3 lbs.	85°	60°	May 25 to June 25	**Squash, Running**	....	8 x 8 ft.	....	2 in.	3 plants.	125 days.	5000 ripe squash.
Well drained and warm. Not too rich for early sorts.	5000 plants.	1 oz.	80°	60°	May 15 to June 15	**Tomato**	Seed bed	4-5 ft. each way	Flats and ground	½ in.	....	60-70 days.	8-16 tons.
New, sandy soil. No coarse manure. Ashes or potash salts good.	500 ft., 20 to a ft.	1-1½ lbs. drills, 3 lbs. broadcast.	80°	45°	July and August	**Turnip**	15-30 in.	....	....	½ in.	3-12 in.	60-65 days.	600-1000 bu.

General Rule—Cover seed equal to four times the smallest diam.

The Commencement of the Year

THE time at which this is written—seems a fitting opportunity to express appreciation to our very numerous customers—our friends—for the generous business entrusted to us, not only the past season, but in years gone by. We make a constant effort to supply seeds of Highest Quality at a Fair Price.

Our stocks are now for the most part complete; our prices will hardly be lower, some are liable to advance. We will maintain our quotations as long as possible. May we not, then, urge you to place your order early, while so much is in your favor at the present time?

We exercise great care to have all Seeds, Bulbs and Plants pure and reliable, but give no warranty, expressed or implied, as to description, quality and productiveness, or any other matter of any Seeds, Plants and Bulbs we send out, and we will not in any way be responsible for the crop. If the purchaser does not accept goods on these terms they are at once to be returned. **THE W. W. BARNARD COMPANY.**

We Deliver Free

The prices quoted include postage on packets, ounces, quarter pounds, pounds, pints and quarts, except where noted. If the purchaser will pay the freight or express charges, ten cents per pound, fifteen cents per quart, and ten cents per pint may be deducted from the prepaid prices herein.

Packet and Oz. Seed Discounts

Purchasers may make selections of seeds in **Packets and Ounces** at these discounts:

For 25c select Seeds in pkts. and ozs. amounting to **$0.30**
For 50c select Seeds in pkts. and ozs. amounting to **.65**
For $1.00 select Seeds in pkts. and ozs. amounting to **$1.30**

Free Seeds

In addition to seed discounts, it is our custom to add one or two extras **free of charge. You may choose from the illustrations shown in colors on the covers.**

One 5c pkt. with an order for	$0.25
Two 5c pkts. or one 10c pkt for	.50
Three 5c pkts. and one 10c pkt. for	.75
All 5 Vegetable pkts. or one Lily bulb for	1.00

It is a common practice among nearly all seedsmen to give away extras. Frequently, however, the gift pkts. are those for which the recipient cares nothing. By our plan you know beforehand what to expect and can make your choice accordingly.

Our Cover Illustrations

On Front Cover: The five vegetables described below. One or more pkts. distributed gratis with seed orders (read paragraph above). On Back Cover: A flower of the Gold-banded Japan Lily. One bulb free with each seed order amounting to one dollar.

PEA, Saxonia

Earlier and much larger podded than First and Best. 2 ft. high, of healthy, vigorous growth. Pods 3½ to 4 inches long; seeds white, round. A splendid pea for all-purposes. Pkt., 10c; pint, 35c; quart, 60c, postpaid.

BEET, Fireball

In all markets Beets of Globe form are in demand. **Fireball** is **a perfect globe** with smooth skin, a small tap root, and very slender leaf stalks. This new beet is **extra early in season**; it is suitable for culture in frames and is also desirable for open ground, where it retains its fresh table quality better than most beets. **Color a fiery red.** Oz., 10c; ¼lb., 30c; lb., $1.00.

MUSKMELON, Davis' White Seeded

This fine new melon is quite distinct in shape. Skin dark green. Firm, deep, orange-colored flesh of delicious flavor. Very prolific; a rampant grower; an excellent shipping variety. A few days earlier than Osage. Pkt., 10c. Write for price by weight.

RADISH, Icicle

This radish is earlier than white Vienna or Lady Finger, and superior to any other long white variety. The quality of this radish is very fine, even when of large size. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 75c, postpaid.

TOMATO, Early Detroit

The latest new Tomato. Vine more vigorous than Acme, and a better yielder. Fruit globe-shaped, smooth, heavy; suitable for shipping. Continues to fruit for a long time for so early a variety. Pkt., 10c; oz., 30c; ¼lb., $1.00.

LILY, Gold Banded

A favorite variety for outdoor gardening. Easy to grow. Plant about 4 inches deep. Blooms in July. Extremely fragrant and very beautiful. Flowers white, dotted with crimson, with a golden band running through center of each petal. *First size,* each, 15c; 3 for 40c; doz., $1.50.

Order Early. You may save yourself trouble, some delay and inconvenience. **Orders are filled in turn** as promptly as the utmost despatch will permit. **The best time** to order is as soon as convenient after receipt of this catalogue.

Please Make Out the Order with Care. If convenient, kindly use order sheet enclosed. Write plainly, place only one item on a line and carry out the price. If you have Rural Free Delivery, give number of Route and Box.

Remittance (which should accompany the order) may be made by Chicago or New York Draft, Post-office Order, Express Order, or Registered Letter. Small amounts can be sent in clean postage stamps of low denominations.

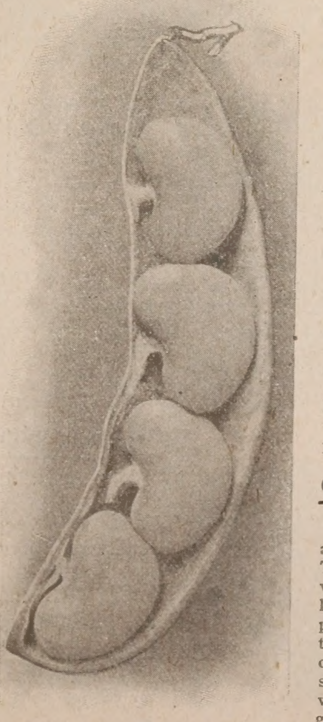
State how you want goods shipped. (Freight is cheapest when time permits.) In absence of instructions we use our judgment as to manner of shipment.

We guarantee safe delivery. Should much delay occur in hearing from your remittance, in receiving the goods ordered, or anything be lacking or unsatisfactory, write us at once. We promise prompt investigation and adjustment.

Novelties in Vegetables

See illustrations in colors on front page. Saxonia Pea and Davis White-Seeded Muskmelon are really valuable novelties. For descriptions of these see the opposite column.

Some vegetables of recent introduction are included in general list, pages 5 to 32.



POLE LIMA, GREEN SEEDED

BEAN, Green-Seeded Pole Lima

These Beans are the product of two vines which appeared as sports in a crop of Burpee's Improved Lima. *The green tint is a distinctive feature of this Bean, for it retains this tint in the dry state to a greater extent than usual,* which indicates the fine qualities which it possesses, thereby making it more pleasing to gardeners and housekeepers. It is the most perfect Pole Lima Bean. See illustration. Pkt., 10c; pt., 40c; qt., 75c, postpaid.

CABBAGE, Volga

The heads are as round as a ball, and perfectly solid. The flesh is firm, tender and white; most desirable for kraut as well as for all other purposes. It matures fully two weeks earlier than any other of our late growing sorts, and if set out early will mature in July and August. Pkt., 5c; oz., 35c.

A FEW NOVELTIES IN FLOWER SEEDS

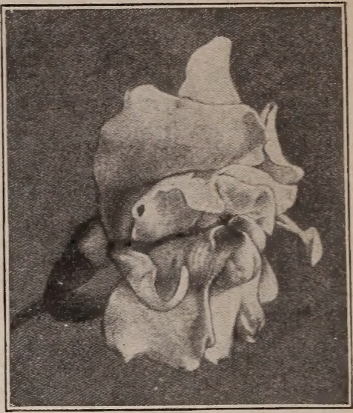
To which are added some varieties omitted from the general list commencing on page 43.

Antirrhinum Majus, grandiflorus album. fl. pl. Something entirely new in the class of tall, large-flowering snapdragons is here offered. Referring to the illustration, it will be seen that from the mouth-like flowers between the upper and lower lips emerge fantastic petals which give a most peculiar aspect to the bloom. A goodly proportion of the seedlings reproduce themselves true, while all will show very large, pure-white flowers. Pkt., 25c.

Aquilegia coerulea candidissima Very pretty and graceful new Columbine of the long-spurred tribe with large flowers of the purest snow-white. Foliage light green. Pkt., 25c.

New Aster, "Crimson Giant" One of the best novelties of the season. A splendid upright-growing sort, producing very large, well-formed, dark-crimson flowers. Its brilliancy of color and erect habit make it desirable for garden culture. Pkt., 10c.

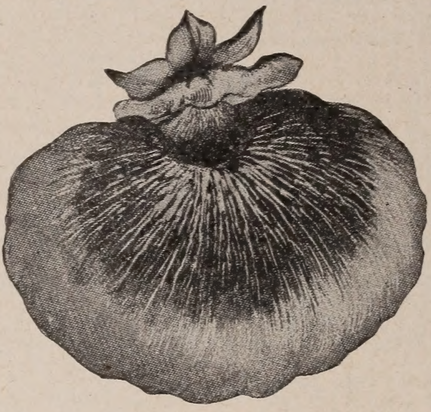
Begonia, "Prima Donna" A splendid new begonia of the "Gracilis" type, growing into bushy plants 10 inches high by 12 inches across. The flowers are unusually large, 1 to 1¼ inches in diameter, and of charming limpid rose color, shading to carmine in the center. For bedding or pot culture it is a gem; flowering in continuous profusion. Pkt., 25c.


DOUBLE SNAPDRAGON

Baby's Breath **Gysophila elegans.** A hardy annual in bloom from early summer until late frost. The graceful white flowers, borne upon long stems, are useful to mingle with others in bouquets. Pkt., 5c.

Calceolaria **Large flowering.** A great improvement in these gorgeous plants for greenhouses and window decoration. The immense pocket-shaped flowers are borne in the greatest profusion through spring and summer; colors: yellow, maroon, crimson, white, etc., spotted and blotched in the most unique fashion. Pkt., 50c.

Calceolaria Sunbeam A remarkably handsome, dwarf Calceolaria. Flower, golden yellow, marked with deep red blotch transversed by yellow veins. A large percentage of the flowers show this variegated characteristic. Pkt., 50c.


CALCEOLARIA SUNBEAM

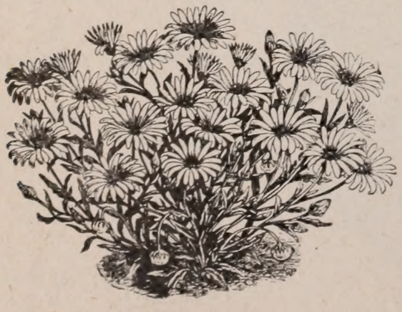
Begonia **Semperflorens alba.** Height of plant, 10 inches; foliage deep green, brown on the reverse side. Pure-white flowers, produced most freely. A fine bedding variety. Pkt., 10c.

Celosia Plumosa "CASTLE GOULD" This is an entirely distinct type of feathered Cockscomb. It was shown growing in pots at all the large flower shows last fall in various cities and on account of its monstrous plumes created much attraction. **Castle Gould Celosia** forms pyramidal, branching plants, bearing large, conical, plumed heads of either golden-yellow, fiery-scarlet, purple, salmon, blood-red, etc. The plants are annuals, growing easily and quickly from seed, and present a very showy appearance in the summer garden, lasting in bloom until frost. We offer mixed seed. Pkt., 50c.

Scarlet Cineraria, Matador This variety brings us a new color hitherto unknown. Its brilliant scarlet enriches the display of colors of this grand species by a most valuable and desirable shade. Pkt., 25c.

Delphinium Hybrids 2569a. The finest strain of Hybrid Larkspur ever sent out. Large flowers, most of them light blue, borne upon strong stems. Pkt., 10c.

Dimorphotheca Aurantiaca **(African Golden Daisy.)** Cultivated in the same way as Asters in different localities, it proved a splendid bedder last season, making a grand show in the fall sunshine. Grows from 12 to 15 inches high, branching in habit. Flowers glossy, rich orange gold with dark center, surrounded by a black zone. Continues in bloom a long time. Pkt., 25c.


AFRICAN GOLDEN DAISY

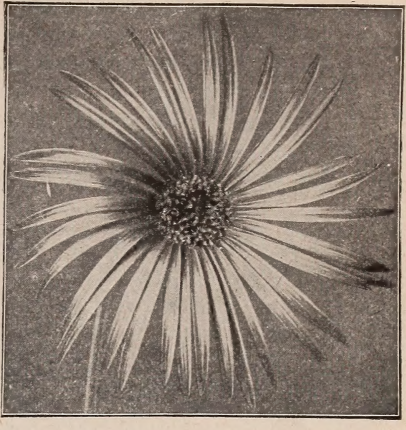
Kochia tricophila

A pretty, half-hardy annual 2 to 3 feet in height, which grows into a perfect pyramidal-shaped cypress bush, with small feathery light-green foliage, deepening as the season advances until it becomes a lovely crimson hue about September. Excellent for edging or hedging. Pkt., 10c.

CELOSIA, "CASTLE GOULD"

Gerbera Jamesoni Hybrida

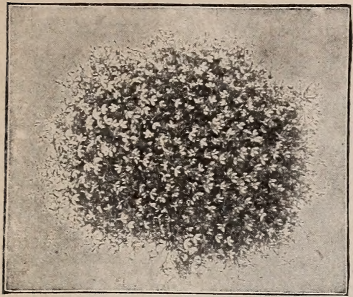
These beautiful ffowers, from Africa, are borne upon long, stiff stems, rendering them admirably suited for all kinds of floral decoration. The colors run from pure white to violet. They are easily grown by seed, which may be sown at any time in slight heat in small well-drained pots, in sandy peat, which must be kept very moderately moist. It is recommended to place each seed with the pointed end upwards and just peeping over the surface of the soil. Pkt., 25c.



GERBERA—"SCARLET DAISY"

Lobelia Hybrida Amanda

This pretty trailing Lobelia is well fitted for hanging baskets and balcony boxes. It spreads rapidly and throws out its long sprays of finely cut foliage. Flowers are rosy lilac, changing with age to deep amaranth with a distinct white e Pkt., 20c.



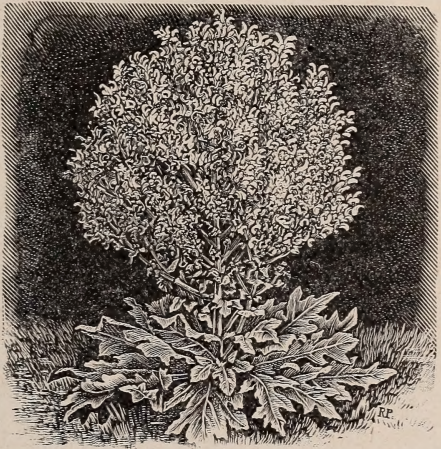
LOBELIA

Marigold

Lemon Queen. Large double flowers of a soft lemon yellow. In bloom all summer long. Pkt., 5c.

Salvia Globosa

Magnificent new **hardy biennial** Sage from Asia Minor, forming splendid rosettes of large and deeply cut, silvery gray, wooly leaves, is 18 to 20 inches in length by 10 to 12 inches in width. The globe-shaped inflorescence, appearing the second year, attains a height of about 3 feet and produces an innumerable number of rather large white flowers. Foliage, when young, of a beautiful and dense silvery white down, similar to that of Salvia argentea. Effective ornamental foliage plant for lawns. Pkt., 25c.



SALVIA GLOBOSA

New Poppy—King Edward

This fine novelty is a splendid addition to such popular single Poppies as Admiral, Miss Sherwood, and others. The very deep scarlet flowers with large black blotch on each petal, gives a beautiful effect in borders. Pkt., 25c.

Snapdragon

"The Bride." The opening flowers are pure white, changing later to a delicate rose. Sure to become a favorite variety. Pkt, 25c.

See also the new Double Snapdragon, page 2.

Salvia compacta alba

Similar in all respects to Salvia Zurich, except in color, which is a showy, snow-white. Pkt., 25c.

Salvia, King of the Carpet

This is the latest novelty of a specialist in Salvias. Height, 18 inches; perfectly round, covering itself with long scarlet flowers down to the ground. Worth trying. Pkt., 25c.

Stock (Giant) Abundance

This outranks all other stocks by its extra large and abundant flowers. It will be excellent for a summer or winter flowering variety. The extraordinary growth of the plant is caused by the central stem dividing into twelve to fifteen lateral branches which in their turn produce fifteen to twenty side shoots, forming magnificent spikes of flowers. Color, fine shade of carmine rose, similar to Queen Alexandra. This will prove an excellent variety for cutting. Pkt., 25c.

STOCK, ABUNDANCE

Tritoma uvaria grandiflora

We have secured from a first-class grower a strain of seed of the well-known **Red Hot Poker Plant.** If sown early, it is likely to produce blooming plants the first year, and there is also a probability of a variety of colors in the seedlings. For quick results we advise field-grown plants (see page 74), but there is some pleasure also in raising them from seed. Tritomas are beautiful, hardy plants of easy culture. Pkt., 10c.

Zinnia, Giant Double

A special strain of this ever-popular annual. Heretofore we have been able to supply mixed seeds only; we can now offer in these three colors: **white, golden yellow, scarlet.** The plants of the new strain are of extremely robust habit growing to the height of about two feet and bearing upon long, firm stalks numerous globular flowers of great size, making these plants valuable for beds and borders. They are in bloom all summer long. Each color, pkt., 20c; all three colors (1 pkt. each) for 50c.

Novelties in Bulbs, Tubers, Etc.

Lycoris Squamigera (Amarylis Hallii)

A perfectly hardy Amaryllis, producing beautiful pink flowers. One of the very good things never widely introduced and almost lost to floriculture. Produces, in early spring, attractive green foliage, which grows until July, when it ripens off and disappears, and one not familiar with its habits would think the bulb had died, but about a month later, as if by magic, the flower stalks spring from the ground to a height of two or three feet, developing an umbel of large and beautiful lily-shaped flowers 3 to 4 inches across and 8 to 12 in number, of a delicate lilac pink shaded with clear blue. (See page 80.) In planting, cover the crown about 4 inches. Very useful for the hardy border or among shrubbery. Each, 35c; 3 for $1.00, postpaid.

New Tuberous Begonias

These bulbs can be used for spring bedding as well as for early flowering indoors. They cover a wide range of colors as given on page 80.

Frilled or Crested. Single; petals wavy and fringed on the edges like Petunias. Each, 20c; doz., $2.00.

Lafayette. Double. A splendid bedding variety with fiery scarlet flowers. Does not wilt in sun. Each, 25c; doz., $2.75.

DAHLIA, "GLORIA"

The Purest Yellow found in Dahlias

GOOD FOR THE FLORIST OR THE HOME GARDEN

Dahlia Gloria is one of the finest of recent introduction. Color, purest yellow, of an even, rich appearance. Plant grows erect and bushy; not easily blown down. Produces large quantities of handsome flowers which are beautifully quilled. They do not fade quickly as many do.

The roots we supply grow rapidly and bloom freely the first season. They are three times as large as new Dahlias are usually offered. They have been propagated from divided tubers, are field grown for one season. Each, 25c.

We do not send tubers by mail until all danger of frost is past, usually early in April.

Japanese Air Plant (Art Fern)

The Latest Wonder of the Plant World

This beautiful and unique plant is one of the greatest novelties of recent introduction. The fronds are 4 to 8 inches long, exquisitely feathery and graceful and of a brilliant grass green color. They require neither water nor soil, and will retain their dainty freshness indefinitely. Placed in small jardiniers or tiny hanging baskets, they are very beautiful and excite the wonder and curiosity of all who see them. In our retail store they sell on sight, hundreds having been sold since we have been handling them. Fine bushy plants, 25c each, postpaid.

NEW YELLOW DAHLIA, "GLORIA"

IMPORTED JAPANESE IRIS

Gladiolus America

By far the most vigorous and easily grown Gladiolus known. Strong and healthy, with dark-green foliage. Erect flower spikes, two feet long, carrying blossoms all facing one way. Color, a beautiful soft pink, very light, almost a tinted white. When cut, it lasts in water a week. Each, 10c; doz., $1.00.

For other named Gladiolus and mixtures of same, please refer to page 70.

IMPORTED JAPANESE IRIS

(Iris Kæmpferi)

The magnificence of these Iris surpasses description. They begin to bloom in June and continue for weeks. Some of the flowers measure 7 to 9 inches across, all of them of great diversity of hues. The principal colors are white, lilac, lavender, deep blue, violet. Veined and mottled; each flower with a golden yellow blotch at the base of the petals.

They grow well in almost any location, but attain their best perfection in moist soil or if given abundance of water while they grow and bloom.

We offer only the true Japanese varieties which we imported direct from the growers in Japan. They are of superior quality, the flowers far exceeding in size and beauty varieties that are usually offered.

Each, 20c; doz., $2.00, not prepaid. By mail, each 40c.

General List of Vegetable Seeds

We Deliver Free **The prices quoted in the following list include postage on packets, ounces, quarter pounds, pounds, pints and quarts, except where noted.** If the purchaser will pay the freight or express charges, ten cents per pound, fifteen cents per quart, and ten cents per pint may be deducted from the prepaid prices herein.

Packet and Oz. Seed Discounts Purchasers may make selections of seeds in **Packets and Ounces** at these discounts

For 25c select Seeds in pkts. and ozs. **amounting to $0.30**
For 50c select Seeds in pkts. and ozs. amounting to .65
For $1.00 select Seeds in pkts. and ozs. amounting to **$1.30**

ARTICHOKE

Green Globe. Sown and grown in good garden soil, this variety will last for years. Its flower heads cooked like Asparagus are relished by many. Pkt., 5c; oz., 30c.

Jerusalem Artichoke. Write for price.

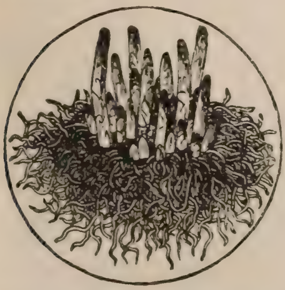
SPARGEL, Ger. ASPARAGUS ASPERGE, Fr.

Asparagus seed should be sown in early spring, on rich, light soil, in drills a foot or more apart, covering the seed an inch deep. Thin to three or four inches, and keep the ground mellow and clear of weeds the first season by frequent hoeing. The next spring, transplant to a permanent bed, which should be in deep, mellow soil, made very rich by a liberal application of manure.

One ounce will sow 40 feet of drill.

ASPARAGUS ROOTS

One-year roots are ready to cut two years from planting; two and three-year roots, the year following setting out. Plant in spring or fall.



Bonvallet's Giant Of recent years this giant variety has become a great favorite, as it not only combines high productive power and lasting quality, but it withstands the rust so frequently disastrous to Asparagus beds. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., $1.50.

Columbian Mammoth White Produces shoots which stay white as long as fit for use **without earthing up or any other artificial blanching.** Nearly all seedlings will produce clear white shoots. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 50c.

CONOVER'S COLOSSAL. The standard variety. Popular, productive, and of good quality. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 50c.

PALMETTO. A large, dark-green variety, having pointed tips. By many growers considered the best for market purposes. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 50c.

Asparagus

BY H. M. HEXAMER

This is a practical and reliable handbook on the selection and preparation of the soil, planting, cultivation, manuring, cutting, bunching, packing and marketing. Special emphasis is given to the great importance of Asparagus as a farm and money crop. Illustrated. **Cloth, 50 cents, postpaid.**

PRICE OF ASPARAGUS ROOTS

Prices do not include postage. If we are to mail, add 25c per 100 for the 1-year-old plants and 50c per 100 for the 2-year-old plants.

Bonvallet's Giant. One-year-old, 100, 75c; 1,000, $5.00; Two-year-old roots, 100, $1.75; 1,000, $12.00.

Columbian Mammoth White (see cut). One-year-old, 100, 60c; 1,000, $4.50. Two-year-old roots: 100, $1.00; 1,000, $6.00.

Conover's Colossal. One-year-old, 100, 50c; 1,000, $3.75. Two-year-old roots, 100, 75c; 1,000, $5.00.

Palmetto. One-year-old roots, 100, 60c; 1,000, $4.00. Two-year-old roots, 100, 75c; 1,000, $5.00.

BONNEN, Ger. BEANS HARICOT, Fr.

DWARF, BUSH or SNAP

In many localities the low-growing varieties are known under different names. Under this classification we include the best sorts selected after years of careful observation—Bush, Bunch, Snap, String or Dwarf Beans.

About the first of May select a warm, dry, sheltered spot; dig, and manure slightly; make drills 2 inches deep and 18 inches to two feet apart; drop the beans 3 inches apart in the drills, and cover not more than 2 inches deep. Hoe well in dry weather to keep down the weeds. Sow every two weeks for a succession until September.

1 qt. to 100 ft. of drill; 1½ bu. to the acre in drills.

Superior Green-Podded Varieties

Improved Red Valentine For snaps there is nothing superior to this variety among the green-podded sorts, and many prefer it to the wax varieties. Vine erect, with dark-green leaves; pods medium length, curved, cylindrical, with crease in back, very fleshy, crisp and tender; seed long, of medium size and unsymmetrical in shape; pink, marbled with red. Pkt., 5c; pt., 20c; qt., 35c; pk., $1.40; bu., $5.50.

Black Valentine **An Extra Early Green Pod Bean.** It produces long pods that are almost straight, **round, thick and meaty.** They are soft green in color; in flavor unsurpassed. A good bean to force as well as to use for late planting. Pkt., 5c; pt., 25c; qt.,

HODSON'S GREEN POD BEAN

DWARF GREEN-PODDED BEANS—Continued

LONG YELLOW SIX WEEKS. Early, upright in growth, very productive, with long, straight, thick pods of excellent quality. Seeds, when ripe, are olive-brown color. Pkt., 5c; pt., 20c; qt., 35c; pk., $1.15; bu., $4.50.

IMPROVED EXTRA EARLY REFUGEE. A great improvement on the old and well-known Refugee, as it is very much earlier, ready to pick nearly as soon as Six Weeks, more dwarf and compact in growth, while the pods are round, solid, tender, and of the best quality. Pkt., 5c; pt., 20c; qt., 35c; pk., $1.25; bu., $4.50.

Hodson Green Pod Comes to maturity a little earlier than Refugee. It is an exceptionally strong grower, resists heat and cold, and is **not affected by blight or rust.** The pods are green, round, and straight or slightly curved. If picked while young, they are entirely stringless. Pkt., 10c; pt., 25c; qt., 40c; pk., $1.65.

LONGFELLOW. This bean is very early, the pods being ready to gather several days before other green pod beans of the same size and quality. Pods long, straight and round, and of a beautiful pale-green color; flavor is delicious, and in every respect an ideal snap bean. Pkt., 5c; pt., 25c; qt., 40c; pk., $1.50; bu., $5.50.

Burpee's Stringless Green Pod This fine bean is the only absolutely stringless green-pod bean in the market. **It is the earliest and most hardy of green-pod sort.** By repeated plantings pods may be had in constant succession from spring until cut off by frost. The plants are very productive, bearing profusely the beautiful green pods, which are nearly round, straight, broad, tender, brittle, of the finest flavor, fleshy, and entirely stringless. **Pkt., 5c; pt., 25c; qt., 40c; pk., $1.60;** bu., $6.00.

REFUGEE, or 1,000 to 1. Valuable for hardiness, vigor, and productiveness. Pods round, thick, and tender. Beans, brown speckled. Season, medium to late. Extensively grown for pickling. Pkt., 5c; pt., 20c; qt., 35c; pk., $1.15; bu., $4.50.

Bean Culture By C. G. Seavey. 144 pages. Cloth...............50c postpaid. This little book is written by a man who thoroughly knows Beans. He imparts his knowledge in a style easily understood, even by the most inexperienced. It includes the manner of growth, soils and fertilizers adapted, planting, harvesting, insects and fungous pests. A practical book for grower and student alike.

DWARF GREEN-PODDED BEANS—Continued

Varieties for Shelling

The largest return will result from planting in drills from two to three feet apart and leaving the plants two to six inches apart in the row. Up to the time of flowering they should have frequent shallow cultivation, but any mutilation of the roots by cultivation after the plants come into bloom is likely to cause the blossoms to blast and so cut off the crop. The cultivation of beans should always be very shallow.

LARGE WHITE MARROW. The standard large white Bean commonly sold in market. Beans are good green or dry, of vigorous growth and productive. Pkt., 5c; pt., 20c; qt., 35c; pk., $1.15; bu., $4.00.

WHITE NAVY. Valuable chiefly as a field bean and considered by many the best baking variety. Pkt., 5c; pt., 15c; qt., 30c; pk., $1.00; bu., $3.50.

ROYAL DWARF, or WHITE KIDNEY. Excellent cooked with sweet corn, making "succotash." Among best as a winter bean. Pkt., 5c; pt., 20c; qt., 35c; pk., $1.15; bu., $4.00.

DWARF HORTICULTURAL. Late; productive and much esteemed for good quality of the beans. Pkt., 5c; pt., 20c; qt., 40c; pk., $1.40; bu., $5.00.

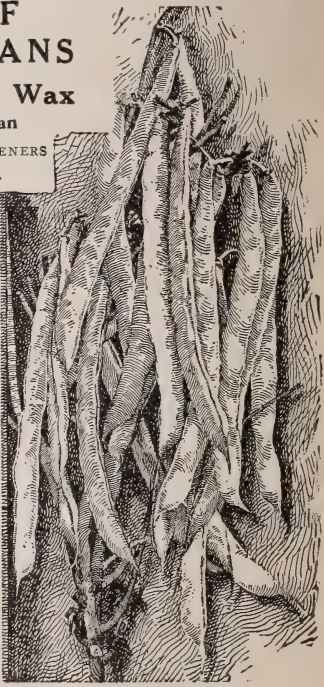
DWARF WAX BEANS

Davis Kidney Wax

The BEST Bean

For Market Gardeners and Canners.

The most hardy and productive wax-podded bush bean in cultivation. The large beans are pure white, kidney-shape, excellent for cooking, green or dry. The pods, while young, are stringless, tender, and of excellent flavor, very long, straight and uniform in size and shape; of a clear waxy white that does not discolor in cooking, making them most desirable for the canner. Pkt., 5c; pt., 25c; qt., 40c; pk., $1.50; bu., $5.50.



DAVIS WAX BEAN

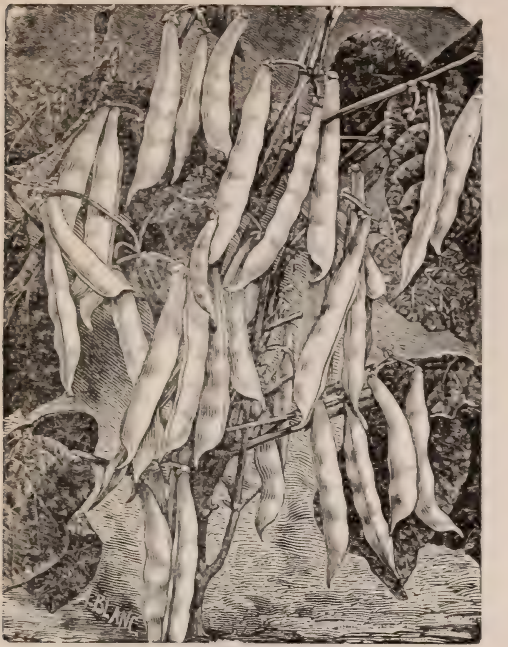
Hodson Wax In its class it is fully as valuable as the Green Pod, both being distinctly market gardener's beans on account of vigor and the healthy growth of foliage. **Follows Davis Wax or Wardwell's in season.** Pods average 7 inches in length; color, a clear light yellow. Pkt., 10c; pt., 25c; qt., 40c; pk., $1.65.

GOLDEN WAX. Pods flat; golden colored; beans oval, white with more or less of two shades of reddish purple visible. One of the most delicate and finely flavored, as well as early. Pkt., 5c; pt., 25c; qt., 40c; pk., $1.50; bu., $5.50.

Wardwell's Kidney Wax This variety maturing a little later than the Golden Wax, yields a large crop of long, nearly straight, flat, creamy white, handsome pods. These are of good quality, and always command a ready sale, making the variety one of the most profitable for the market gardener. Pkt., 5c; pt., 25c; qt., 40c; pk., $1.50; bu., $5.50.

PENCIL POD BLACK WAX. Medium early. Pods, round; pencil-shape. Tender, brittle, and producing during a long season. Pkt., 5c; pt., 25c; qt., 40c; pk., $1.50; bu., $5.50.

DWARF WAX BEANS—Continued



CHALLENGE BLACK WAX

Challenge Black Wax Fully **one week earlier** than any other. Pods clear waxy white, round, fleshy, crisp, and tender. The dry bean is jet-black, long, curved, and rather flat. Packet, 5c; pt., 20c; qt., 40c; pk., $1.60; bu., $6.00.

CURRIE'S RUST-PROOF WAX. Pods long, flat, and tender. Seeds blue-black. Pkt., 5c; pt., 25c; qt., 40c; pk., $1.50; bu., $5.75.

PROLIFIC GERMAN WAX. Pods golden, even, stringless, and of fine quality. Seed black. Pkt., 5c; pt., 20c; qt., 40c; pk., $1.50; bu., $5.75.

REFUGEE WAX. Produces round pods of a golden yellow color, and always remains tender. Suitable for early or late sowing, and for a wet or a dry season. Pkt., 5c; pt., 25c; qt., 40c; pk., $1.50; bu., $5.50.

POLE BEANS

Pole Beans are even more sensitive to cold and wet than the dwarf varieties, and should be sown two weeks later. After settled warm weather, set poles four to eight feet long in rows four feet apart and extending north and south, the poles being three feet apart in the row. Around each stake plant five to eight beans, two inches deep.

One Quart will make about 100 hills.

KENTUCKY WONDER, or Old Homestead. Pods green, nine inches or more long, nearly round, fleshy, stringless, and of excellent flavor. Dry beans, long, oval, dun-colored. It is an early and most prolific variety. Pkt., 5c; pt., 25c; qt., 40c; pk., $1.65; bu., $5.50.

Burger's Green Pod Stringless This is earlier than **Old Homestead**, and covers a longer season of productiveness. The pods, borne in clusters, average six to eight inches in length, are uniformly straight, of a rich dark green, and so meaty as to be really **"saddle-backed."** The pods are as entirely stringless as the popular **Burpee's Stringless Green Pod Bush Bean.** Pkt., 5c; pt., 25c; qt., 40c; pk., $1.65; bu., $6.

GOLDEN CLUSTER WAX. Long, broad, thick pods, borne in clusters. Pkt., 10c; pt., 30c; qt., 45c; pk., $2.00.

SCARLET RUNNER. A favorite, both as a Snap Bean and for its flowers, which are of a bright scarlet. Seeds broad and kidney-shaped. Pkt., 5c; pt., 25c; qt., 45c.

POLE BEANS—Continued

Lazy Wife This is a superior variety for the home garden, also as a field bean among corn. Desirable either for cooking in the pod or shelled for winter. The large, green pods are from 4 to 6 inches in length. Very tender, of delicious flavor. They are broad and thick, and are stringless until quite large. Dry beans are round, pure white. Pkt., 5c; pt., 25c; qt., 40c; pk., $1.75; bu., $6.50.

CUT SHORT, or CORN HILL. An old variety that is in favor for planting among corn. It will yield a good crop without the use of poles. Beans nearly oblong, cut off at the ends, white and partially dotted with spots. Pkt., 5c; pt., 25c; qt., 40c; pk., $1.50; bu., $5.50.

DUTCH CASE KNIFE. This is also used as a cornhill bean. Pods long and flat; beans flat, kidney-shaped, white, of excellent quality green or dry. Pkt., 5c; pt., 25c; qt., 40c; pk., $1.50; bu., $5.50.

POLE LIMA BEANS

Lima Beans are not only profitable as green shell beans but are also a paying crop to sell as dried beans during winter. They are always in demand and bring good prices.

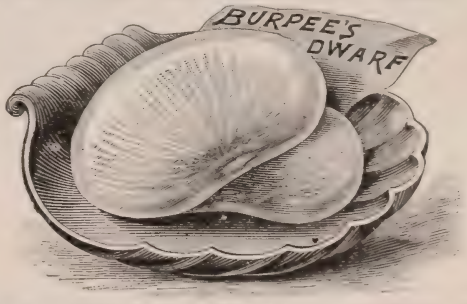
Lima Beans will not grow until the weather and ground are warm; if planted earlier, the seeds are apt to rot in the ground.

Seibert's Early Lima In earliness, ease of shelling and quality of the green beans, this variety is far in advance of all other early Limas for either the garden or market. The vine is very productive; although the pods rarely contain more than four beans, the total yield is enormous. The green shelled beans are of immense size, tender, and of finest quality. Pkt., 10c; pt., 20c; qt., 40c; pk., $1.65; bu., $6.25.

King of the Garden Lima Vines vigorous and productive, producing a continuous bloom and fruitage to the end of the season. **The pods are of enormous size,** many specimens measuring from 5 to 8 inches, and some containing seven beans to the pod, all perfectly formed and of superior quality. Pkt., 5c; pt., 25c; qt., 40c; pk., $1.60; bu., $6.00.

DWARF LIMA BEANS

Bush Limas should be planted three feet apart, dropping two or three beans fifteen inches apart in the row. Cover about an inch deep. Dwarf Limas require no support.



BURPEE'S DWARF LIMA. Plants make perfect bushes from eighteen inches to two feet high. They are **sure croppers** and **immense yielders.** Pods as large as those of the Pole Lima, and contain three to five beans of the best quality. Pkt., 10c; pt., 25c; qt., 40c; pk., $1.75; bu., $6.50.

DREER'S DWARF LIMA. Thick pods and large thick beans, three or four in a pod. Ripens fully ten days earlier than the Pole Lima of same name. Pkt., 10c; pt., 25c; qt., 40c; pk., $1.75; bu., $6.50.

HENDERSON'S BUSH LIMA. Valuable on account of extreme earliness. Extremely productive, tender, and delicious. The dry beans are small and white. Pkt., 10c; pt., 25c; qt., 40c; pk., $1.75; bu., $6.50.

Gardening for Pleasure By Peter Henderson. A guide to the amateur in the fruit, vegetable, and flower garden. It meets the wants of all classes in the country, city, and village, who keep a garden for their own enjoyment rather than for the sale of the products. Finely illustrated. 404 pages. 5 x 7 inches. Cloth, $1.50, postpaid.

BEETS

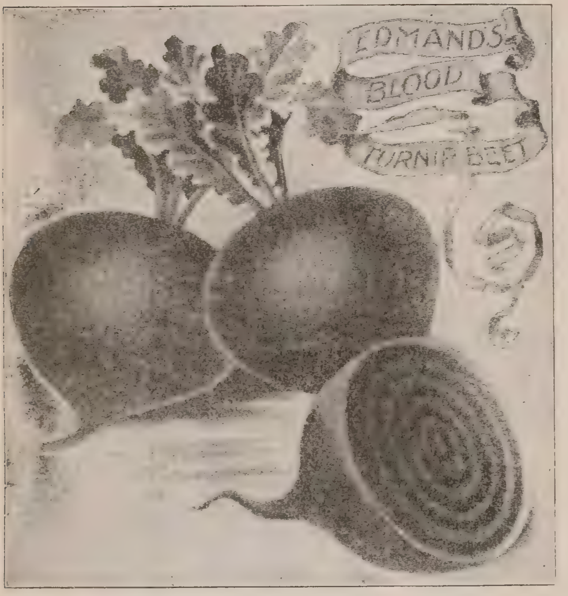
Runkelrueben, Ger. Betterave, Fr.

Sow as early in the spring as ground can be worked, and for succession, every two weeks after up to the first of July, in drills twelve to fourteen inches apart, and when well up thin to from four to six inches. The young plants removed in thinning, are excellent cooked in the same manner as Spinach. Take up the roots in October and store in cellar like potatoes. Covered with sand they will keep in nice, tender condition for winter use.

One ounce will sow 50 feet of drill; 5 to 6 pounds are required for an acre.

FIREBALL In all markets Beets of Globe form are in demand. **Fireball is a perfect globe** with smooth skin, a small tap root and very slender leaf stalks. This new beet is **extra early in season**; it is suitable for culture in frames, and is also desirable for open ground, where it retains its fresh table quality better than most beets. The flesh is solid, crisp, and sweet. **Color a fiery red,** even more intense than Eclipse. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

Crosby's Egyptian Much in demand by market gardeners for forcing and early out-of-door sowing. This beet is perfect in shape, and deepest red, almost black, in color. Equally good for early bunching as well as the fall market. Its fine color and superior quality make this one of the best beets. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.



Barnard's Selected Edmands Beet

Good for bunching, and is a standard winter beet. Its uniformity, handsome appearance, small top, and single tap root commend it most strongly to the market gardener, and **for table use scarcely any other variety can equal it in fine quality.** The skin is deep blood-red in color; flesh dark red, sweet and tender. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.

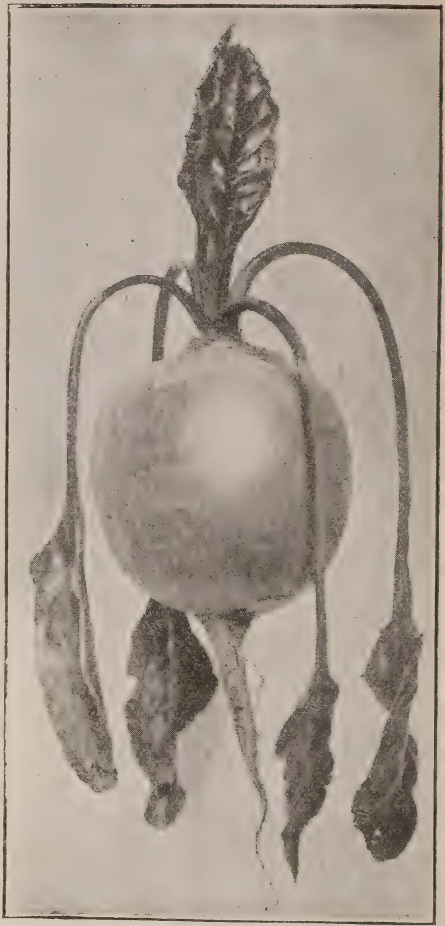
DEWING'S BLOOD TURNIP. Suitable for market men. Medium size; smooth skin; flesh red with white bands. Good main crop variety. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 75c.

IMPROVED EARLY BLOOD TURNIP. This beet does not mature so early as those named above. It is an excellent one **for the home garden** and summer use. An old-time standby, and low priced. Oz., 5c; ¼lb., 20c; lb., 65c.

THE FORCING BOOK

By Prof. L. H. Bailey

In this work the author has compiled in a handy form the cream of all the available information on the subject of forcing vegetables under glass. In addition to this the experience of many practical growers in different localities is furnished. Cloth, 12mo. $1, postpaid.



NEW BEET, "FIREBALL"

Crimson Globe Handsome in shape, a little deeper than round, with a smooth surface and small tap root. Flesh deep crimson, ringed and zoned. Not only desirable for bunching for early use, but it is good for main crop, as it keeps well until spring. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 75c.

DIRIGO. An extra early turnip beet of handsome shape and attractive color. It is one of the best for either summer or winter use. **Beautiful dark-red color**; fine grain and flavor. Tops and tap roots quite small. A most desirable variety for market gardeners, by whom it is used largely for bunching. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 75c.

ECLIPSE. This is not only an extra early beet, but if sown late, it is valuable for winter use. Its rapid growth, extreme earliness, neat globe shape with small top and bright crimson color, make this a most popular sort with market gardeners. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 75c.

☞ *Please remember that our prices are for seeds postpaid, by mail. If ordered by freight or express, at purchasers expense, eight cents per pound may be deducted.*

Mangel-Wurzel and Sugar Beets most economical and valuable feed for cattle and sheep. See following page.

BEETS FOR THE TABLE—Continued

HALF-LONG BLOOD. One of the best beets for winter and spring use. The roots are pear-shaped, smooth, and handsome; flesh a rich dark red, crisp, tender, sweet, and retaining its excellent quality longer than any other sorts. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 65c.

IMPROVED LONG DARK BLOOD. Tops large, necks small, leaf stems and vines red, leaf green, roots large, tapering, growing even with the surface. Flesh dark red, zoned with lighter shade, tender and sweet and remaining so when kept till spring. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 65c.

DETROIT DARK RED. A medium early globe-shaped beet of excellent quality. It is especially esteemed on account of its dark-red color, which extends entirely through the beet, and without the light-colored rings seen in some varieties. The beets are smooth and handsome. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

BEET, LONG DARK BLOOD

MANGEL-WURZEL AND SUGAR BEETS

Every one who keeps even a single cow should grow a quantity of mangels for winter feed. They yield enormously and will not only greatly increase the flow of milk, but will add largely to the health and general condition of all kinds of stock and poultry.

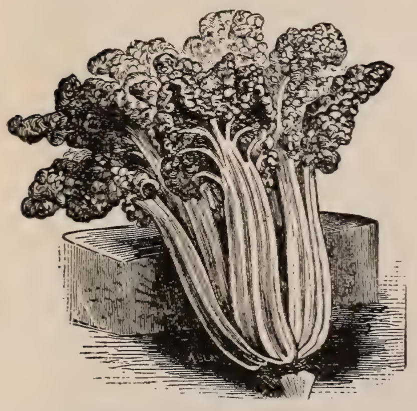
The seed should be sown in April and May, in drills two feet apart, Thin out the plants so they stand about a foot distant in the row. Keep them well cultivated through the growing season.

One ounce for 50 feet of drill; 5 lbs. for an acre.

MAMMOTH LONG RED. On good soil sometimes grows eighteen inches long. Dark leaves; skin bright dark red; flesh white with veined rings of rose-pink. An excellent keeper; nutritious and milk-producing. Oz., 5c; ¼lb., 10c; lb., 35c. Not prepaid: lb., 25c; 10 lbs., $2.00.

GOLDEN TANKARD. A yellow-fleshed variety highly prized by dairymen for milk-producing qualities. All stock thrive on it. Oz., 5c; ¼lb., 15c; lb., 35c.

CHAMPION GLOBE. The best **round** Mangel. It is valuable for shallow soils. A better keeper than Long Red. Oz., 5c; ¼lb., 15c; lb., 35c.



CHARD, WHITE CURLED SWISS

SWISS CHARD, or Sea Kale Beet

It is superior to the common beet for greens; if sown at the same time, it will be fit for use before it. Later, the plants form broad, wax-like stems to the leaves, which are very delicious cooked or pickled. They have a flavor similar to spinach. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 60c.

BORECOLE, or Kale

The Kales are more hardy than cabbage, and are improved by frost, but the time and manner of sowing and the culture are identical with cabbage.

DWARF GERMAN, or GERMAN GREENS. A dwarf variety, rarely exceeding 18 inches in height, but spreading out under good cultivation to 3 feet in diameter; the leaves are very beautifully curled, and of a bright green. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 75c.

GREEN CURLED SCOTCH. About two feet high. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 75c.

THE BEST SUGAR BEETS

Although principally grown for sugar-making and stock-feeding, sugar beets are also very desirable for table use, being sweet and tender.

KLEIN WANZLEBEN. White flesh. Contains the largest amount of sugar of any. Oz., 5c; ¼lb., 15c; lb., 40c.

LANE'S IMPERIAL SUGAR BEET. Forms a large root, long and tapering, which grows partly above ground. Snow-white flesh. Oz., 5c; ¼lb., 15c; lb., 40c.

Sugar Beet Seed, *not prepaid,* per lb., 30c; 10 lbs. for $2.50. Special quotations on large quantities.

SPARGELKÖHL, Ger. **BROCCOLI** BROCCOLI, Fr.

Taller and more hardy than Cauliflower, but otherwise very similar to that delicious vegetable. Culture and use are identical with that of Cauliflower.

One ounce of seed for 2,000 plants.

EARLY PURPLE CAPE. Greenish-purple heads. Pkt., 5c; oz., 30c; ¼lb., $1.00.

WHITE CAPE. Creamy-white heads. Pkt., 5c; oz., 30c; ¼lb., $1.00.

BRUSSELS SPROUTS

These are miniature cabbages produced from the side of the stalk. They are regarded as a great delicacy boiled and served in the same manner as Cauliflower. Sow in seed-bed in May, transplant and cultivate like cabbage. Pkt., 5c; oz., 15c; ¼lb., 45c; lb., $1.50.

A SEED DRILL is an invaluable aid as well as a timesaver to every gardener. With one of the drills listed on the back pages of this book, one person can sow as much in an hour as could be done in a day by old-fashioned hand seeding. Special circulars of Seed Sowing and Cultivating Implements sent on application.

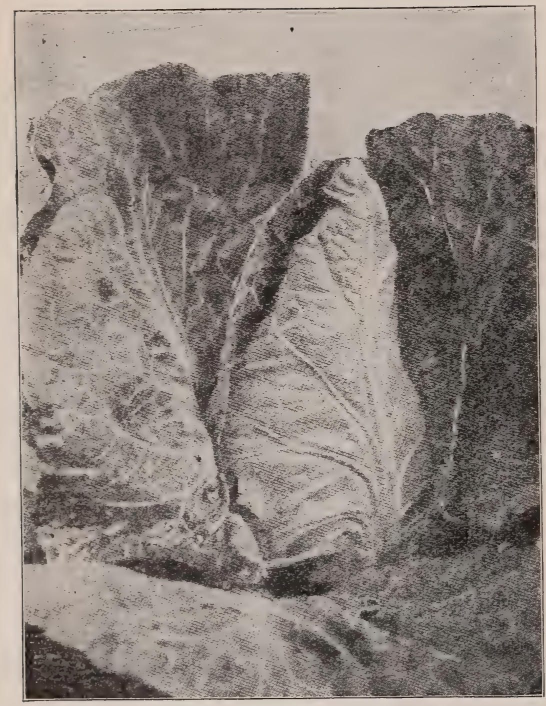
CABBAGE

Kopfkohl, Ger. Chou Pomme, Fr.

OUR CABBAGE SEED is grown under the care of practical, painstaking and reliable men; in localities where experience and thorough tests have proved the climate and soil to be the best adapted to their production in highest perfection; from fully developed, perfect heads, carefully cured and stored until time of planting; thoroughly tested as to vitality, our seeds can but give satisfaction, and we unhesitatingly recommend it for the use of either market or private gardener.

All that Cabbage requires is the soil to be rich, deep, well-drained, and abundantly manured. For the early kinds, plant 30 inches between the rows and 16 inches between the plants. For the late kinds, three feet between the rows and two feet between the plants. For very early use, sow in January or February, in hotbeds. Set out when the plants are strong enough into other hotbeds, or set in cold-frames in March. Transplant when danger from frost is past to the open ground. For a succession, sow in the open ground last of March or early in April. The late or winter crop seed can be sown in May and the plants set out in July. **An ounce of seed produces 1,500 plants; one-half pound to transplant for an acre.**

HOW TO DESTROY CABBAGE WORMS. Slug Shot can be used lightly or heavily and the cabbage suffers no harm. The cabbage forms its head by the interior growth; it throws off its earlier and outside leaves, and no dust can enfold within its head. Apply Slug Shot with a duster, sieving it over the plants or full-grown cabbages. The powder is very fine and goes a long way in field or garden. **Not prepaid. 5 lb. pkg., 30c; 10 lbs., 50c; Tin Duster each 35c.**



EARLY JERSEY WAKEFIELD

Earliest Pointed-Headed Sorts

Early Jersey Wakefield Long recognized as the best, earliest **marketable** cabbage. In size, medium; in shape, pyramidal with pointed peak. Its uncommonly fine heading qualities, together with its fitness for wintering in cold frames, pleases the most critical gardeners. Our strain of seed is of superior quality. Pkt., 5c; oz., 25c; ¼lb., 75c; lb., $2.75.

LARGE WAKEFIELD, or CHARLESTON. The heads are similar in form, although generally not so pointed, but of equal solidity as the original **Jersey Wakefield,** while they grow half again as large, reaching full size about ten days later. Pkt., 5c; oz., 25c; ¼lb., 75c; lb., $2.75.

Winningstadt An old and famous type of second early cabbage. It makes a large, conical head, about ten days later than Wakefield. Color, a bright, glossy green. Valuable not only for early use, but as a winter cabbage. A vigorous grower, it thrives even under unfavorable conditions. Pkt., 5c; oz., 15c; ¼lb., 50c; lb., $1.75.

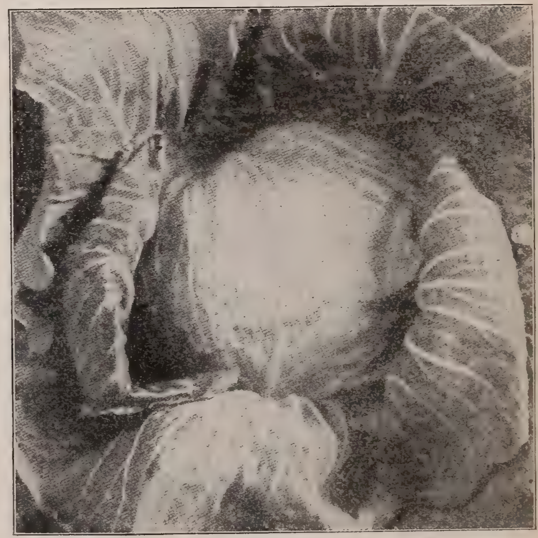
Early Flat-Headed Sorts

Eureka In comparison with Wakefield, **Eureka** is heavier, hardier, earlier, and in addition, is flat. Three heads, with part of their leaves removed, cover a sugar barrel. It grows very compactly, thus yielding a much larger crop than other early varieties; a splendid keeper for an early variety on account of its solidness. Pkt., 5c; oz., 20c; ¼lb., 70c; lb., $2.50.

ALLHEAD EARLY

The most profitable Early Cabbage for market gardeners. The best all-the-year-round Cabbage for the home garden.

Heads flat, deep, and solid; firm and tender; valuable also for late. Seeds sown in July and set out in August will make fine heads. Largely planted by market gardeners. Nearly 10,000 can be grown on an acre, and almost every one will head. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., $2.25.



CABBAGE—"EARLY SPRING"

EARLY SPRING. The **first early round-head** Cabbage, maturing about the same time as Jersey Wakefield. One of its chief claims to superiority is the remarkable uniformity of the heads. They are also very solid even when young, and with very small outside leaves. Pkt., 5c; oz., 20c; ¼lb., 70c; lb., $2.50.

EARLY SUMMER. Matures about ten days later than Early Jersey Wakefield. Heads are large, nearly round, somewhat flattened, and quite solid. Pkt., 5c; oz., 20c; ¼lb., 75c; lb., $2.50.

CABBAGE, continued

Second Early, or Main Crop

ALL ROUND FLAT HEADS

ALL SEASONS. A splendid main crop sort, much grown by market gardeners; is also an excellent variety for home use. Remarkable for its ability to stand hot sun and dry weather. Makes solid, hard heads, of large size. Pkt., 5c; oz., 20c; ¼lb., 75c; lb., $2.50.

FOTTLER'S IMPROVED BRUNSWICK. We have a superior strain of this seed, which brings large, flat, solid heads of excellent quality. Stem very short. A sure header. Pkt., 5c; oz., 15c; ¼lb., 50c; lb., $1.75.

Chicago Market Cabbage

This valuable Cabbage continues to give the utmost satisfaction, not only to Chicago gardeners, but in every locality in which it has been introduced. **We have yet to find a variety more thoroughly adapted to general culture and which combines so many good qualities as our "Chicago Market" Cabbage. It will surely please you.** Planted early, it develops fine, large, solid heads one week later than the Wakefield, while if set out later it makes excellent heads for winter use. It stands the hot sun well, is almost certain to head, and does not crack; is an excellent keeper. Pkt., 5c; oz., 30c; ¼lb., $1.00; lb., $3.50.

AUTUMN AND WINTER SORTS

Surehead A compact-growing, general crop Cabbage that is well named, as it can be relied upon with certainty to head even under unfavorable circumstances. The heads are large, hard, firm, fine in texture, and sweet flavored. It is a late variety, keeps well, is good for shipping, and is a favorite sort with market gardeners and also for home use. Pkt., 5c; oz., 20c; ¼lb., 75c; lb., $2.50.

Danish Ballhead Cabbage

The Best Cabbage for Spring Sales

For several years our strain of this Cabbage has been known to be unexcelled. **Danish Ballhead** commands a higher price in the market than any other variety. It is remarkable for the **solidity of its heads and long-keeping qualities.** The heads are of medium size, with a few outer leaves, admitting of close planting; exceedingly fine grained, hardest of all, tender, crisp, solid, with no waste heart. Average 6 lbs. per head. Pkt., 10c; oz., 30c; ¼lb., $1.; lb., $3.50

Cabbage and Cauliflower

By C. L. ALLEN. Illustrated. 50c, postpaid.

With this new treatise, complete in every detail, success in growing these profitable crops is reasonably assured to every one.

CABBAGE—CHICAGO MARKET

LATE WINTER CABBAGE, continued

SELECTED LATE FLAT DUTCH. It grows very large, is remarkably hardy, a sure header, uniform in shape, size, and color. Few varieties can approach this for superior quality. Market gardeners grow this very extensively for a late crop. Pkt., 5c; oz., 20c; ¼lb., 75c; lb., $2.50.

PREMIUM LARGE LATE DRUMHEAD. Head enormous. Very hardy and desirable fall and winter variety, also a good shipper. Pkt., 5c; oz., 20c; ¼lb., 75c; lb., $2.50.

LUPTON. This fine Cabbage has now acquired a splendid reputation. It is a dark green in color, has a short stem, and is **one of the best keepers,** coming out in the spring bright and fresh; a little earlier than Flat Dutch and Drumhead. We have some very choice seed. Pkt., 5c; oz., 25c; ¼lb., 70c; lb., $2.50.

HOLLAND. The superior merit of this variety is the hard heading and long keeping quality. Heads medium size; white. If properly stored, they will be found, when taken up in spring, to be in perfect condition. Pkt., 10c; oz., 30c; ¼lb., $1.00; lb., $3.50.

Autumn King, or World Beater Large, broad heads are uniform in shape, hard and solid as a rock, fine grained and tender—more so than any other very large cabbage. Forming so few outer leaves, it goes almost **all to head.** It is a rapid grower, and does not require special culture to bring out its excellencies. Pkt., 5c; oz., 25c; ¼lb., 70c; lb., $2.50.

RED CABBAGE

MAMMOTH RED ROCK. By far the *best*, largest, and hardest heading red cabbage in cultivation; very uniform in size, weight, solidity, and deep red color. The heads grow to weigh 10 or 12 pounds. Pkt., 5c; oz., 25c; ¼lb., 70c; lb., $2.50.

SAVOY, or CURLED LEAVED

The quality and flavor of these "curled-leaved" Cabbages is very superior; grown in fall and allowed to be touched by frost, they are sweet, delicate, and most delicious.

AMERICAN DRUMHEAD SAVOY. The best of its class for home use and market. Heads large, **solid and compact.** Has rich, sweet flavor of the cauliflower when cooked. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., $2.00.

HAMMOND'S SLUG SHOT

Kills Insects, Saves Foliage.

Slug Shot kills cabbage worms, also cucumber, melon, squash and potato bugs. Contains nothing in the least injurious. 5-lb. pkg. *not prepaid,* 30c; 10 lbs., 50c.

MOEHREN, Ger. CARROTS CAROTTE, Fr.

For Market or Home Garden

This is a vegetable deserving to be more generally cultivated, both for use upon the table and for stock feeding purposes. There is no more healthful root crop.

For early, sow in spring as soon as ground can be worked, in drills fifteen inches apart, covering one-half inch. For the main crop, sow from the middle of May to the first of July. Thin out in row from 5 to 6 inches apart. Hoe often and deeply between the rows. Light, sandy loam, richly manured, is the best soil.

One ounce will sow about 125 feet of drill.

HALF LONG SCARLET, Pointed. Much used for bunching, especially when young; of fine quality, medium early. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 75c.

EARLY SCARLET SHORT HORN. Short, nearly round, good for shallow soil. Adapted for forcing for market and culture for early home use. Deep orange in color, flavor excellent. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 75c.

Chantenay One of the best for home or market garden. Deep red flesh, fine grained and sugary. It is early, grows about six inches long; stump rooted; always smooth. A heavy cropper. This carrot will please everybody. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 75c.

Barnard's Improved Danvers

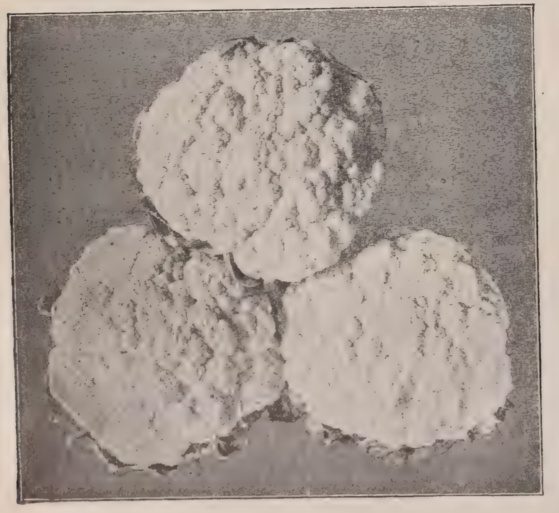
This is a splendid strain which produces a fine, broad-shouldered carrot, about 10 inches long, of **handsome, uniform, cylindrical shape,** being that most desirable for market. Color, orange-red; skin, smooth, with few indentations. No finer strain of carrot than this. It produces enormously, is suitable for all soils, and valuable both for table use and for stock feeding. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

DANVERS HALF LONG. A smooth, well-formed carrot, which grows to medium size, tapering to a point. Valuable for a feed crop. Flesh orange color. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 75c.

HALF LONG SCARLET NANTES. An early stump-rooted variety about six inches long, that is valuable for table use. Flesh red, little core. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 75c.

OX HEART, or Guerande. Much esteemed either for family use or market. It is intermediate between the half long and horn varieties. Roots are about six inches long, cylindrical in shape, and rich orange color. The flesh is fine grained, little core. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 75c.

CARROTS, MANGELS, and SUGAR BEETS. By Gregory. It tells what kinds to raise, how to grow them, and how to feed them. 30c, postpaid.



CAULIFLOWER, BARNARD'S SNOWBALL

CARROTS, DANVERS HALF LONG

Carrots for Stock Feeding

For feeding stock, especially horses and milch cows, carrots are unsurpassed.

Four pounds of seed required for an acre.

IMPROVED LONG ORANGE. Requires deep soil; plants should stand 8 inches apart in 18-inch drills for roots to attain full size. Pkt., 5c; oz., 10c; ¼lb., 20c; lb.. 60c. Not prepaid, lb., 45c; 5 lbs., $2.00.

LARGE WHITE BELGIAN. Grows one-third above ground. Root pure white, green above ground with small top; flesh rather coarse. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 60c. Not prepaid, lb., 45c; 5 lbs., $2.00.

CAULIFLOWER

BLUMEN KOHL, Ger. CHOUFLEUR, Fr.

Cauliflower succeeds well in any soil where cabbages will grow. It delights in **a rich soil and plenty of water.** For early sorts, sow in a hotbed in February or March; for later crop, sow in May in a moist place. Transplanting should be done in moist weather.

One ounce of seed for 3,000 plants.

Extra Early Dwarf Erfurt Best for Forcing Good for Open Ground. Dwarf and very solid, with short outside leaves. Can be planted 20 inches apart each way and forced. Almost as early as Snowball. Our strain of seed is very choice. Pkt., 25c; ¼oz., 75c; oz., $2.50.

Barnard's Snowball Cauliflower

For main crop and for every purpose except for first early, or for culture under glass (for which we recommend the Extra Early Dwarf Erfurt) we emphasize **Barnard's Snowball** as a variety of the highest quality and reliable, sure cropping strain. Pkt., 25c; ¼oz., 75c; oz., $2.50.

EXTRA EARLY PARIS. Still used by some gardeners. Pkt., 5c; ½oz., 30c; oz., 50c.

DENMARK. A favorite second early and main crop sort, much in demand by packers and pickle makers. It makes large and firm heads. Pkt.. 20c; ¼oz., 75c; oz., $2.00.

AUTUMN GIANT. Late; a vigorous grower. Pkt., 5c; ½oz., 30c; oz., 50c.

Sellerie, Ger.

CELERY

Celeri, Fr.

Celery can be successfully grown with but little labor in the home garden, in any good garden soil, by following the very detailed instructions contained in the little book **"CELERY CULTURE,"** which we mail, postpaid, for 50 cents. Celery delights in low, moist, rich bottom land, or well-drained muck-soil. It is usually grown as a second crop. The self-blanching Celeries are recommended for autumn and early winter use, as they do not keep so well as others.

Celery is sometimes grown by what is termed the new process, which consists in making a spot as rich as possible and there setting the plants six to eight inches apart each way. If the soil is very rich and there is an abundance of water, the plants will blanch each other and the product will be very white and handsome.

One ounce of seed will produce 3,000 plants or more.

Golden Self-Blanching

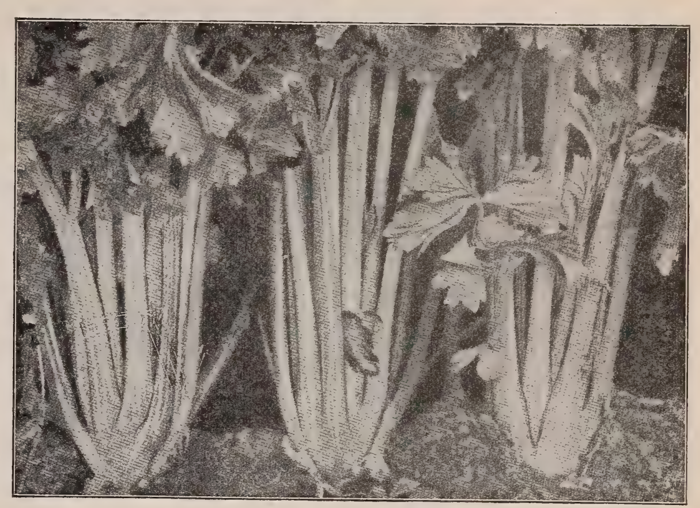
THE best celery in cultivation and the most profitable for market and family use. The handsome appearance and straight, strong stalks of this celery are well brought out in the illustration. The heart is large, solid, golden yellow in color, and of delicious flavor. It will turn at maturity to a yellowish white without banking, but like all other celeries is improved by having some dirt brought up to the stalks. Pkt., 10c; oz., 50c; ¼lb., $1.75.

WHITE PLUME. The peculiarity of this leading variety is that the inner leaves and heart are **naturally** white, so that by closing the stalks, either by tying, or by drawing the soil close about the plant and pressing it together with the hands, the blanching is completed. It is the *earliest* Celery in cultivation, but will not keep longer than the holiday season. Pkt., 5c; oz., 20c; ¼lb., 60c.

Giant Pascal This is a green-leaved variety developed from the Golden Yellow Self-Blanching. It produces broad, thick, solid, cream-colored stalks of handsome appearance which are entirely stringless, crisp and tender, and of a delicious nutty flavor, and is absolutely free from any bitter taste. It requires but little earthing up, bleaches rapidly. For January and February use is undoubtedly unexcelled. It is a good shipping variety, free from rust or rot. Pkt., 10c; oz., 20c; ¼lb., 50c.

PERFECTION HEARTWELL. One of the best of the white varieties. The stalks are of good size, vigorous growth, very sound and never hollow; crisp, tender, and of exceedingly fine nutty flavor. Pkt., 5c; oz., 20c; ¼lb., 50c.

EVANS' TRIUMPH. The best late Celery. Not only a splendid keeper, but the very large solid stalks are of the finest texture and quality, crisp, brittle, tender, and really nut-like flavor, and has a stronger celery taste than any other variety. Per pkt., 5c; oz., 20c; ¼lb., 50c.



CELERY—GOLDEN SELF-BLANCHING

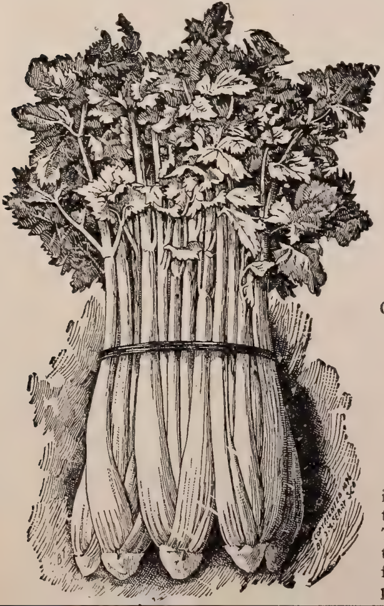
GIANT WHITE SOLID. Fine for market as well as family garden. Pkt., 5c; oz., 15c; ¼lb., 40c.

NEW ROSE. We offer this as the choicest of the red varieties. Pkt., 5c; oz., 20c; ¼lb., 60c.

GIANT GOLDEN HEART. Large size, beautiful color, crisp and deliciously flavored. One of the best celeries for market, and for home use. Pkt., 5c; oz., 20c; ¼lb., 50c.

DWARF GOLDEN HEART. A distinct, rare and decidedly ornamental type; when blanched, being an exquisite golden yellow. Pkt., 5c; oz., 15c; ¼lb., 40c.

WINTER QUEEN. Makes broad and solid white stalks. Close, compact grower. Pkt., 5c; oz., 20c; ¼lb., 60c.



CELERIAC, or TURNIP-ROOTED CELERY

Produces large turnip-like roots which keep well for winter use; it is highly esteemed either cooked for flavoring soup or sliced and used with vinegar, making an excellent salad. It is cultivated like celery, little or no earthing being required. Ready for use in October.

One ounce for 50 feet of row.

BARNARD'S GIANT. Very large roots. Flesh white, with a stronger and sweeter flavor than other varieties. Pkt., 10c; oz., 20c; ¼lb., 75c; lb., $2.50.

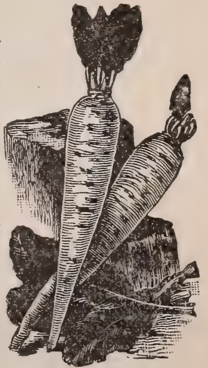
LARGE SMOOTH PRAGUE. One of the best. Roots smooth, and almost round. An excellent keeper. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., $1.50.

Chicoric, Ger.

CHICORY

Chicoree, Fr.

LARGE-ROOTED, or COFFEE. The roots, when dried, roasted, and ground, are largely used as an adulterant or substitute for coffee. The young leaves are excellent when used as a salad. Cultivate same as carrots. Pkt., 5c; oz., 10c.



CHICORY

CHIVES

Their green tops which appear in early spring are used wherever the flavor of onions is desired. They are entirely hardy. One or two clumps are sufficient for a family garden. Clumps, 20c each, prepaid. Not prepaid: each, 10c;

CELERY CULTURE

By W. R. Beattie

The work is complete in every detail, from sowing a few seeds in a window box in the house for early plants, to the handling and marketing of celery in carload lots. Fully illustrated. 150 pages. 5 x 7 inches. **Cloth, 50c, postpaid.**

WELSCHKORN, Ger. CORN MAIS, Fr.
Sweet or Sugar

PINT AND QUART PRICES INCLUDE POSTAGE. If to go by express, at buyer's expense, **deduct 15c** from quart, or **8c** from pint prices. Half-pecks, pecks, and bushels sent at buyer's expense.

Copyright 1901 by H.L.HOLMES

EXTRA EARLY SWEET CORN, PREMO

The Sweet or Sugar varieties, being liable to rot in cold or wet ground, should not be planted before May, or **until the ground has become warm.** For a succession, continue planting every two weeks until the middle of July, in rich, well-manured ground, in hills three feet apart each way, covering about half an inch, and thin out to three plants to a hill. The extra early varieties can be planted 18 inches in the row and 2½ feet between the rows.

One quart of seed corn plants 200 to 300 hills; one peck will sow an acre in hills.

FOUR BEST VARIETIES FOR FAMILY USE

PEEP O' DAY, EARLY CHAMPION, COUNTRY GENTLEMAN, STOWELL'S EVERGREEN

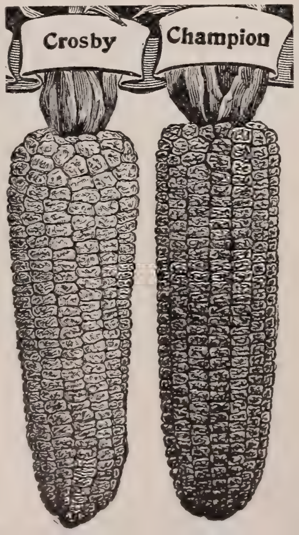
Writing from our own experience, we can with positive assurance state that the following four varieties, planted in the order named and in succession, will provide a supply of delicious sweet corn throughout the entire season.

Peep o' Day **Ten days to two weeks earlier than any other sort,** and one of the sweetest of all extra early sweet corns. These are the claims made by the originators, and they have been fully upheld in numerous trials. In habit of growth, **Peep o' Day** is distinct. The stalks grow from 3 to 4 feet in height, and carry 3 to 5 ears on each. The ears average about 6 inches in length. Cob white; kernels pearly white; far ahead of any for sweetness. Exceptionally good for early market as well as for home consumption. Pkt., 5c; pt., 20c; qt., 35c; pk., $1.25; **bu., $4.50.**

Early Champion This variety is, without question, the earliest **large** Sweet Corn yet introduced, and the best of the **second early.** Ears 12-rowed; pure white kernels, with medium-sized white cob; very sweet, tender, and full of milk, yielding from two to three ears to the stalk. Pkt., 5c; pt., 15c; qt., 30c; pk., $1.00; bu., $4.00.

Country Gentleman The great merit of this fine **main crop** Sweet Corn is its **delicious quality,** being the sweetest and most tender of all. The ears are medium, cob small, kernels deep; pearly white in color. It is very productive, bearing from two to four ears on the stalk. Ripens about same time as Stowell's Evergreen. Pkt., 5c; pt., 15c; qt., 35c; pk., $1.25; bu., $4.50.

CROSBY'S EARLY SUGAR. This is extensively grown for canning. Ears short, twelve or more rowed, grain thick and sweet. Comes in three or four days later than Early Minnesota. Pkt., 5c; pt., 15c; qt., 30c; pk., $1.00; bu., $4.00.



Stowell's Evergreen The most popular late **Sweet Corn** and the best all-around table variety. More extensively planted than any other sort, being the general favorite with market gardeners and canners for late use. If planted at the same time with earlier kinds, *it will keep the table supplied until October.* Ears are of good size, grain deep, tender and sugary, remaining a long time in condition for cooking. Pkt., 5c; pt., 20c; qt., 35c; pk., $1.50; bu., $5.00.

Premo One of the best for quality, and very profitable to raise for market. Premo matures in 56 to 60 days. The ears are from 5 to 7 inches long, usually two to each stalk, and each ear is well filled out with pure-white kernels. Pkt., 5c; pt., 15c; qt., 30c; pk., $1.25; bu., $4.50.

PERRY'S HYBRID. Nearly as early as Early Minnesota, with larger ears, twelve to fourteen rowed, averaging two ears Pkt., 5c; pt., 15c; qt., 30c, postpaid; pk., $1.25; bu., $4.00.

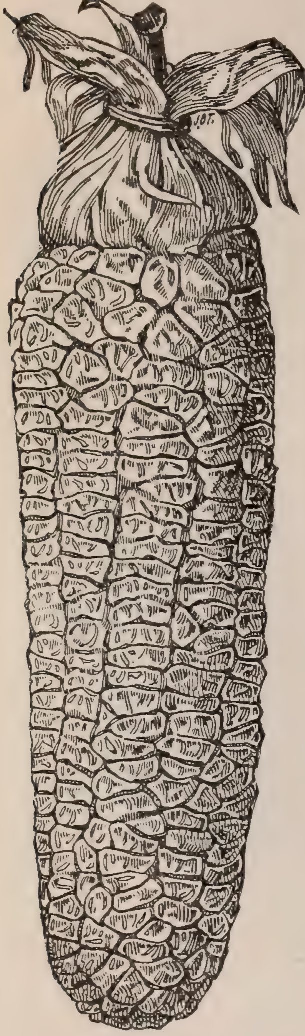
For continuation of Sweet Corn, see page following this.

SWEET CORN, Mammoth White Cory

The ears are twelve rowed, fully twice the size of the old Cory, **white cobbed**, and covered with very large white grains of good quality. No other sweet corn will find ready sale in market which is supplied with Mammoth White Cory. All gardeners who cater for best trade should plant this variety. Pkt., 5c; pt., 15c; qt., 30c; pk., $1.25; bu., $4.50.

SWEET CORN, Golden Bantam

There are several varieties of yellow-grained Sweet Corn. None of them appear to combine so many points of excellence as Golden Bantam. The kernels are **sweet and delicious.** It is **early and suitable for planting in northern states.** Pkt., 5c; pt., 20c; qt., 35c; pk., $1.50.



MAMMOTH WHITE CORY

Early Cory

A favorite early Sweet Corn with market gardeners. It is dwarf in habit, and the ears, which are of fair size, are set low. **Cob red.** Pkt., 5c; pt., 15c; qt., 30c; pk., $1.00; bu., $4.00.

KENDEL'S EARLY GIANT. Comes in soon after Cory. Ears 8 to 10 inches long, 12 to 18 rowed, filled well to the tip with broad, white, sweet kernels of excellent flavor. Stalks short, bearing one or two ears. Pkt., 5c; pt., 15c; qt., 30c; pk., $1.25; bu., $4.50.

MOORE'S CONCORD. Medium early; 12 to 16 rowed. Ears large and well filled. Good to follow Crosby. Pkt., 5c; pt., 20c; qt., 35c; pk., $1.00; bu., $4.00.

CHICAGO MARKET. It has many good points to recommend it, chief among which are **large size, fine appearance** (being well formed), **great productiveness** (two or three ears on a stalk), and **superior table quality.** It is 12 rowed, cob white. Ripens in midseason. Pkt., 5c; pt., 15c; qt., 30c; pk.,$1.25; bu., $4.00.

EARLY EVERGREEN. A fine second early variety. Matures in about 80 days. **Ears large size,** 14 to 18 rowed. Ripens ten days to two weeks ahead of Stowell's Evergreen. Good to follow Champion. Pkt., 5c; pt., 15c; qt., 30c; pk., $1.25; bu., $4.50.

EARLY MINNESOTA. An old and popular dwarf variety. One of the best for market and private gardens. Ears of fair size and uniformity; eight rowed, kernels tender and sweet; color white. Pkt., 5c; pt., 15c; qt., 30c; pk., $1.00; bu., $4.00.

BLACK MEXICAN. Although the ripe grain is black or blue-black in color, the corn when in condition for table, cooks **almost white.** It is very **sweet and tender.** Once tried in the family garden, it is sure to be continued. Pkt., 5c; pt., 15c; qt., 30c; pk., $1.25; bu., $4.50.

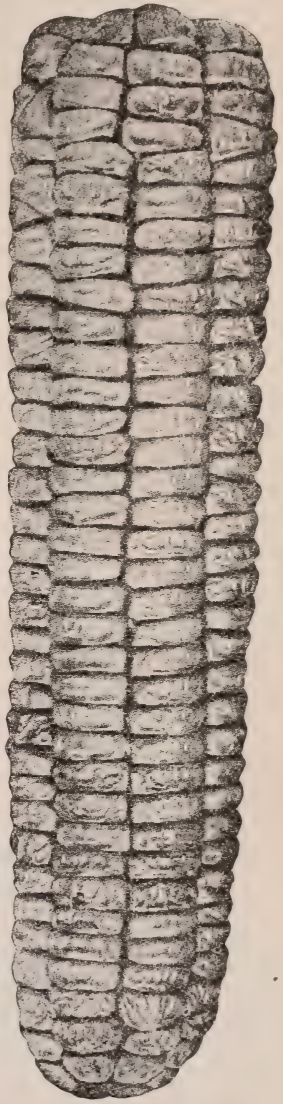
OLD COLONY. Ripens a little ahead of Stowell's Evergreen. Stalks grow tall and carry usually two large ears, 16 rowed. The grain is deep, rich, and sweet; cob white. **One of the best for canners.** Pkt., 5c; pt., 20c; qt., 35c; pk., $1.25; bu., $4.00.

MAMMOTH SUGAR. Ripens a little later than Evergreen. Large ears. Kernels flat. Largely used by canners and gardeners. Pkt., 5c; pt., 20c; qt., 35c; pk., $1.25; bu., $4.50.

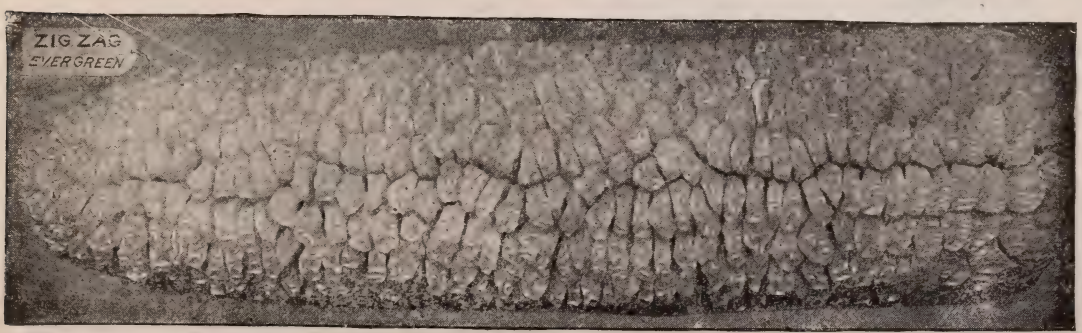
ZIGZAG EVERGREEN. It is the best large-eared late Sweet Corn produced up to the present time. Desirable for canning factories. Pkt., 5c; pt., 20c; qt., 35c; pk., $1.50; bu., $5.00.

EXTRA EARLY ADAMS. Not "Sugar" Corn. Small and for early use only. Pkt., 5c; pt., 15c; qt., 30c; pk., 85c; bu., $3.00.

Sweet Corn for Fodder, also Field Corn. See Farm Dept.



GOLDEN BANTAM



POP CORN

A Profitable Crop. Boys and girls can easily grow an acre or so and dispose of the product to the groceryman. We have choice seed. It pops large and white. Pkt., 5c; pt., 20c; qt., 35c; pk., 80c; bu., $3.00, postpaid. Special price for large quantities. State how much you wish to purchase.

CHARD **or Spinach Beet.** Few people realize the great merits of this vegetable; while it is classed among the beets, it makes no root whatever, the top only being used. It is cooked and served like spinach, which it resembles in taste. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 60c.

CHERVIL Used for flavoring or garnishing, and is more beautiful than Parsley. Sow in early spring in rich soil, and when plants are large enough, transplant to a foot apart. Pkt., 5c; oz., 10c.

CORN SALAD, or Fetticus

Sow in spring, in drills one foot apart. It will mature in six weeks. For early spring use, sow in September and winter over like spinach.

One ounce will sow about 18 square feet.

BROAD-LEAVED (Large-seeded). A delicious salad, used during the winter and spring months as a substitute for lettuce, and is also cooked and used like spinach. Pkt., 5c; oz., 10c; ¼lb., 20c.

COLLARDS A form of cabbage very extensively used in some of the Southern States, where it furnishes an abundance of food for man and beast. Freezing improves the quality.

One ounce for 150 feet of row.

GEORGIA. A mass of leaves on a tall stem. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 80c.

CRESS, or Peppergrass

Sow early in the spring, rather thickly, in shallow drills, one foot apart, in the open ground; for a succession, sow at short intervals throughout the season.

DOUBLE CURLED. For salads and garnishing. Leaves are pungent. Pkt., 5c; oz., 10c; ¼lb., 20c.

WATER CRESS. Scatter the seed on a muddy bank of an ever-running stream. Pkt., 10c; oz., 30c.

UPLAND CRESS. Perennial. It is ready to use very early in spring. Has the flavor of Water Cress. Pkt., 10c; oz., 25c.

Gurke, Ger.

CUCUMBER

Concombre, Fr.

Cucumbers succeed best in warm, moist, rich, loamy ground. They should not be planted in the open air until there is a prospect of settled warm weather. Plant in hills about four feet apart each way. The hills should be previously prepared, by mixing thoroughly with the soil in each a shovelful of well-rotted manure. Sprinkle the vines liberally with **Slug Shot** to protect from bugs, and when all danger from insects is past, thin out the plants, leaving three to four of the strongest to each hill.

One ounce of seed will plant about 50 hills; two pounds will plant an acre.

Early Cluster Vine vigorous, producing the bulk of the crop near the root and in clusters. Fruit short, with uniformly thick end, dark green, but paler at blossom end. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

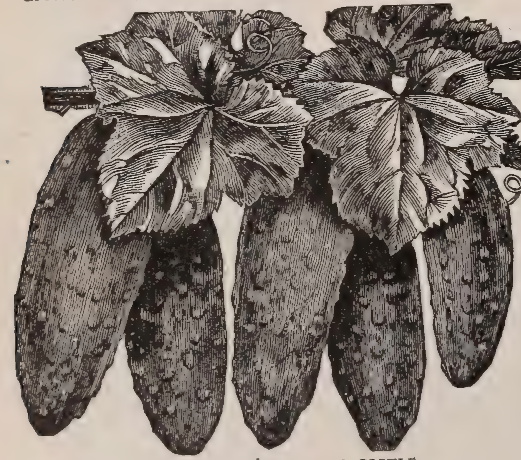
EARLY RUSSIAN. For small pickles this is a good sort to cultivate. Grows about 4 inches long, and is very hardy. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

EARLY FRAME, or SHORT GREEN. A desirable variety either for pickling or table use. Fruit bright green, straight, round at each end. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

EXTRA EARLY GREEN PROLIFIC. Ten days earlier than the ordinary kind. Small, good for pickles. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

BOSTON PICKLING. Short and thick, a little more so than Chicago Pickle. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

JERSEY PICKLING. Intermediate between Long and Short Green. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.



WESTERFIELD'S CHICAGO PICKLE

Chicago Pickle. This is one of the best varieties and largely used by pickle factories. The fruit is of medium length, pointed at both ends, with large and prominent spines; color, deep green. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

Evergreen White Spine Good for culture under glass. Fruit long, cylindrical, dark green, remaining so at all periods of growth. Good shipper. Pkt. 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

Hill's Forcing. An extra early improved White Spine. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

DAVIS' PERFECT CUCUMBER

Davis Perfect Equally good for greenhouse or outdoor culture. It is ideal in shape, rich, dark green color, uniform and regular in size. It is exceedingly tender, and as a slicing Cucumber for the table is unsurpassed. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.25.

Cumberland A distinct variety of the White Spine type. The fruits are rich, dark green, large, **straight and symmetrical.** Cumberland is as choice a slicing variety as it is for pickles. The flesh is solid, crisp, tender and of excellent quality at all stages of growth. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

NICHOLS' MEDIUM GREEN. Good for early forcing, and for slicing and pickles. Color dark green, flesh crisp and tender. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

LONG GREEN. Fruit from 10 to 12 inches long, dark green, firm, and crisp. It is used for slicing, also for sweet pickles. Pkt., 5c; oz., 10c; ¼lb., 35c; lb., $1.25.

West India Gherkin, or Burr. Small; prickly fruits; for small pickles. Pkt., 5c; oz., 10c; ¼lb., 50c.

FOREIGN CUCUMBERS

TELEGRAPH. For frames and forcing. Smooth, green fruits, which grow from 14 to 16 inches in length. Pkt., 20c.

JAPANESE CLIMBING. Can be trained upon fences, trellises, etc. Fruit green, large and straight. Good for slicing; also makes good pickles. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

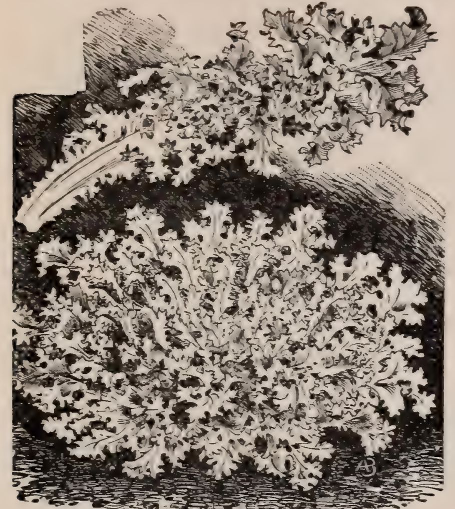
We solicit your EARLY ORDER, before the rush of planting time arrives. In the busy time delay in filling is almost inevitable.

DANDELION

Cultivated for spring greens and for salad, and is fast becoming a favorite in the market. Sow early in the spring, in very warm, rich soil, in drills 18 inches apart; thin the young plants to five inches in the row and cultivate well.

One ounce will sow 200 feet of drill.

French Thick-Leaf. Far superior to the common Dandelion. Pkt., 5c; oz., 20c.



GREEN CURLED ENDIVE.

EIERPFLANZE, Ger. EGG PLANT AUBERGINE, Fr.

Sow in hotbed early in spring; transplant two and one-half feet apart each way after weather becomes settled and warm. If no hotbed is at hand, plants may be started in pots or boxes. The potato beetle is very fond of the plants. Paris Green, also Slug Shot, applied same as to potatoes will keep them in check.

1 oz. for 1,000 plants. For prices on plants, see page 32.

NEW YORK IMPROVED PURPLE. This variety is a general favorite both for market and private use. Plants, large, spreading; foliage light green; fruit very large, oval; color a splendid dark purple. Plants usually ripen four to eight large fruits. Pkt., 5c; oz., 40c; ¼lb., $1.20.

ENDIVEN, Ger. ENDIVE CHICOREE, Fr.

For the first crop, sow in May, and for succession, in June and July. When the plants are two or three inches high, transplant them into light soil, one foot apart. When the leaves are eight to ten inches long, tie the tops together to blanch the heart and remove the bitter taste. Lift late in fall with a ball of earth attached and place close together in a frame or cellar. **It makes a delicious salad for winter use. One ounce will sow 150 feet of drill.**

GREEN MOSS CURLED. A unique variety, somewhat resembling a tuft of moss. Very crisp, tender, and of good flavor. Being less hardy than other sorts, it requires protection from cold. Pkt., 5c; oz., 15c; ¼lb., 35c; lb., $1.25.

BROAD-LEAVED BATAVIAN. Has slightly wrinkled thick leaves. It is usually grown for use in soups and stews. Pkt., 5c; oz., 15c; ¼lb., 35c; lb., $1.25.

GARLIC Used by some for seasoning soups, stews, etc. Plant the sets in spring and cultivate like onion sets. ¼lb., 15c; lb., 40c, postpaid.

HORSE-RADISH. This is grown from pieces of roots. Plant in spring, small end down. Sets by mail, postpaid, dozen, 25c; 100, 70c. In larger quantities, write for prices.

HERBS, Sweet, Medicinal and Pot

The cultivation of herbs is very simple, and but little care is needed beyond keeping down the weeds. Sow in April or May, in drills 12 to 15 inches apart, and thin out the young plants where they stand too thick. Gather when just coming into bloom, tie in small bunches and dry in the shade.

*Varieties marked with an * are perennials.*	Pkt.	Oz.
Anise. Used for seasoning and garnishing	5	10
***Balm.** Leaves used medicinally	5	20
Basil, Sweet	5	20
Borage. Leaves are used as a salad	5	15
Catnip. Good for bee pasture	5	25
***Caraway.** Seeds used medicinally and in bread	5	10
Coriander. Seeds used for flavoring	5	10
Dill. Leaves used with pickles, seeds for flavoring soups and vinegar	5	10
Hop	15	
Fennel. Seeds for flavoring; leaves for garnishing	5	10
***Wormwood.** Beneficial for poultry	5	20

	Pkt.	Oz.
***Horehound.** Has medicinal qualities	5	20
Hyssop. Used in medicine	5	15
***Lavender.** Its flowers are used in the manufacture of oil and distilled water	5	15
Marjoram, Sweet. Used for seasoning	5	15
Rosemary. Leaves used for seasoning	5	25
Rue. Cures Roup in poultry	5	15
Saffron. Used for coloring	5	15
Sage. Leaves are used in stuffing and sauces	5	15
Savory, Summer. Used for seasoning	5	10
***Thyme.** For seasoning	5	25

KOHLRABI Turnip-Rooted Cabbage

KOHLRABI, Ger. CHOU-RAVE, Fr.

For early use, sow in hotbed, afterwards setting plants 8 inches apart **in** rows. For later use, sow seed in drills and thin out.

One ounce of seed will sow a drill of about 200 feet.

WHITE SHORT LEAVED. Much superior to Vienna. It is very early and **the best for forcing** as well as for outdoor culture. Bulb is greenish-white, smooth, of finest texture and quality. Pkt., 10c; oz., 30c; ¼lb., 80c; lb., $2.75.

EARLY WHITE VIENNA. Early, small, white bulb. Best for table use. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., $2.00.

EARLY PURPLE VIENNA. A little later than the white; color purple. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., $2.00.

LAUCH, Ger. LEEK POIREAU, Fr.

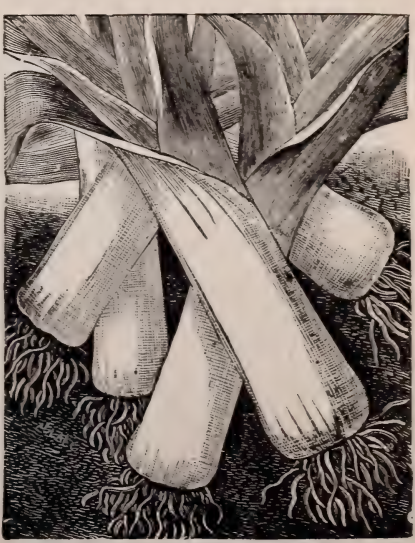
One ounce of seed to 150 feet of drill.

Sow seed out-of-doors in June and thin out to 4 inches apart.

LONDON FLAG. This is the sort chiefly grown by market gardeners. It is of excellent quality, mild flavor and uniform. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

MUSSELBURG. Large and broad leaves. Flavor mild and pleasant. A good Leek. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

MONSTROUS CARENTAN. The largest variety, often three inches in diameter, and becoming very white and tender. A very hardy and desirable sort, which is worthy of more extensive cultivation. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., $1.25.



MONSTROUS CARENTAN LEEK

Lattich, Ger.

LETTUCE

Laitue, Fr.

There are two distinct classes of Lettuce—one forms heads like cabbage; the other merely produces loose leaves. The so-called "Head Lettuce" are those most generally cultivated, especially in the home garden. All of them are of good flavor, solid, crisp, and tender. **One ounce of seed will produce about 1,500 plants.**

Sow the seed in hotbeds in February or March, and transplant into a sheltering border with a southern exposure. For successive crops, sowings may be made in the open ground as early as the spring opens, and continuing until July. Always thin out well, or the plants will not be strong. When wanted as a cut salad, sow the seed thickly in rows or broadcast.

Curled or Loose Head Varieties

This type does not form compact heads, but large masses of curly, crisp leaves which are practically everbearing; the best of this class are:

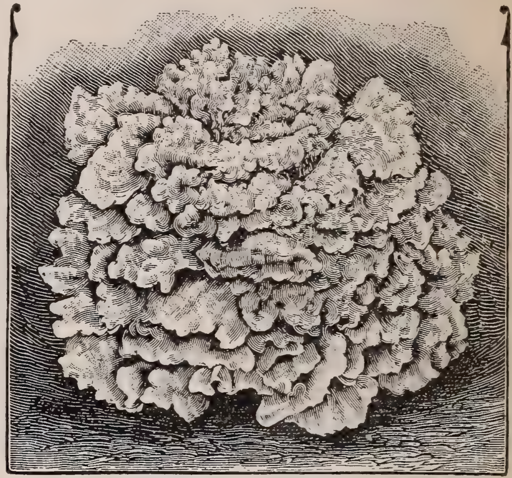
EARLY CURLED SIMPSON. Standard cutting or loose-head variety. Is earlier than the heading varieties. Forms a large, close, compact mass of curled leaves of yellowish-green color. Pkt., 5c; oz., 10c; ¼lb., 25c: lb., 85c.

Black-Seeded Simpson Among the many varieties of Curled or Leaf Lettuce, there is no one better fitted for the general use of market gardeners and the private cultivator than **Black=Seeded Simpson.** It is suitable for growing under glass as well as for early outdoor planting. Forms a compact mass of thin leaves which are tender and of excellent quality. **By far the most popular Lettuce with the market gardeners of Chicago and elsewhere.** Pkt., 5c; oz., 10c; ¼lb., 20c; lb., $1.00.

Prize Head For general use no Lettuce has ever given such universal satisfaction. It forms a large head of loose leaves, bright green in color, tinged at the edges with red; very crisp and tender, and of excellent flavor, and has the faculty of keeping its good qualities throughout the entire season. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 85c.

ICEBERG. A curly lettuce; large, solid heads. The outer leaves are light green in color, and their habit of branching towards the center of head is a great aid to the blanching of heart. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

Curled leaved varieties are recommended for culture under glass as well as in the open air.



GRAND RAPIDS LETTUCE

Cabbage or Heading Varieties

Denver Market Forcing

An early variety of Head Lettuce, either for forcing or open ground. It forms large heads, of good light green color. The leaves are beautifully marked and blistered (like the Savoy Cabbage), very crisp and tender. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

Improved Hanson

For outdoor culture there are none more reliable than this. In rich ground, well cultivated, the heads grow to resemble small cabbages. Outer leaves green, white within, having no bitter taste. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.

Grand Rapids This is beyond question the most popular of all forcing lettuce. On account of its upright habit of growth, it can be grown much closer than the other sorts, and is less liable to rot; the leaves are light yellowish-green, excellent for shipping, and keep a long time without wilting. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

All Seasons An extremely large, solid head Lettuce. In color, light green, without any spots. Quality excellent; tender and mild in flavor. Has large, broad leaves of much substance. Sure header, slow to run to seed. A very popular Lettuce with Chicago gardeners. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

LETTUCE, BIG BOSTON

Big Boston. The best mid-season or summer Lettuce. A valuable sort for open ground or forcing. Makes large, buttery-yellow heads, delighting both the palate and the eye. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

CALIFORNIA CREAM BUTTER. A summer lettuce which forms heads of good size, **round and solid.** Easy to grow. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

May King Hardy, will stand much cold, damp weather. **Grows very rapidly.** Its fine large heads are 6 to 7 inches in diameter; the outer leaves tinged with brown, the inner a bright, clear yellow. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

A Few More Good Ones

We can also supply seeds of the following new and standard varieties of Lettuce, all of them now so well known that extended description seems unnecessary, at the uniform price of
Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 85c.

Sensation. Yellowish green.

St. Louis Market. Large heads.

Wonderful. Dark green heads.

Black=Seeded Tennis Ball.

Early Curled Silesia.

Yellow Seeded Butter.

White Seeded Tennis Ball.

Cos Lettuce **Trianon.** These Lettuce make long, narrow, upright heads; sweet and tender. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 85c.

Cantaloup, Ger.

MUSKMELON

Melon Muscade, Fr.

Prepare hills 4 to 6 feet apart in a rich, moderately dry sandy soil, thoroughly mixing therewith well-rotted manure. Early in May, or when ground has become warm, plant 10 to 12 seeds one inch deep in each hill, afterwards thinning out so that 3 or 4 plants remain. Pinch the vines when blossoming begins, to promote fruitfulness, and cultivate till the vines cover the ground. To combat insect attacks, dust with ashes, lime, or road-dust. **Use SLUG SHOT to kill them.**

One ounce of seed for 60 hills; 2 to 3 pounds per acre in hills.

EXTRA EARLY HACKENSACK. An early strain of the well-known Hackensack. A popular market melon; round ribbed and thickly netted. One of the best green-fleshed sorts. A good shipping variety. Pkt., 5c; oz., 10c; ¼lb., 35c; lb., $1.25.

Rocky Ford Nearly every leading hotel and restaurant in America uses large quantities of this famous melon which is just the right size to serve in halves. The ripe melons are beautifully netted and ribbed. Solid green flesh, sweet and melting. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

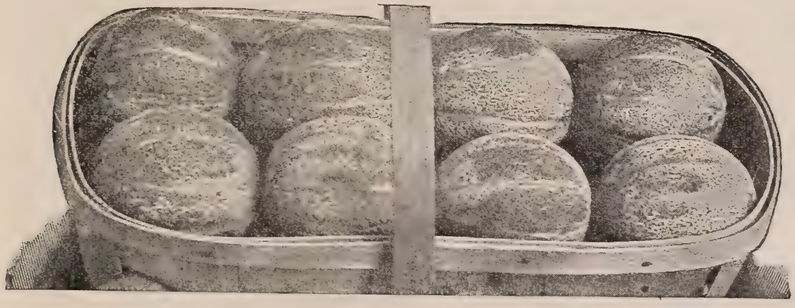
CHICAGO MARKET. A large melon, nearly round in form, slightly flattened at top and bottom. Skin netted, flesh green. Pkt., 5c; oz., 10c; ¼lb., 35c; lb., $1.25.

LONG ISLAND BEAUTY. The large fruits are flattened, heavily ribbed and netted. Of very handsome appearance and fine quality. Very highly recommended; ripens early and is superior in flavor; green fleshed. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., $1.50.

MONTREAL MARKET. The largest of all nutmeg sorts. The fruits are round, flattened at the ends, and have very broad ribs. Flesh is green; fine quality. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., $1.50.

IMPROVED GREEN NUTMEG. A large melon, nearly round, flesh greenish yellow and of delicate flavor. The seed we offer is most carefully selected and we know it will give satisfaction. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., $1.00.

ROCKY FORD MUSK MELON.



MUSKMELON, PAUL ROSE

PAUL ROSE. A cross of the Osage and Netted Gem; about ten days earlier than the former. Fruit oval, with very small seed cavity. Red fleshed. A good shipper, especially in baskets. Pkt., 5c; oz., 10c; ¼lb., 35c; lb., $1.25.

BURRELL'S GEM. This melon has a thin, tough rind, well arched ribs and gray netting. Meat reddish orange; thick, fine grained and spicy. Average weight of each melon about 2¼ lbs. Pkt. 5c; oz., 20c; ¼lb., 40c; lb., $1.50

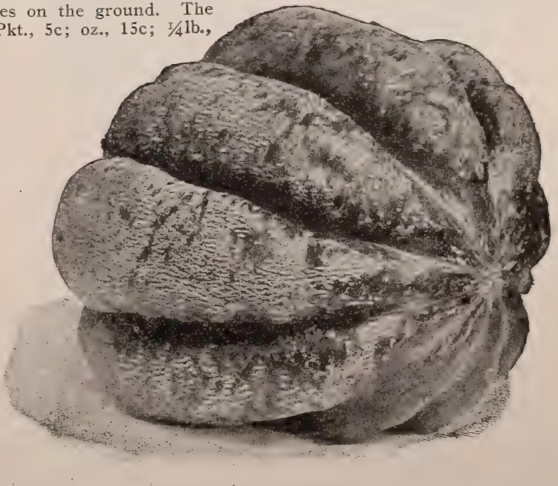
Osage, or Miller's Cream The fruit is medium-sized, oval, somewhat resembling a cocoanut. Skin, dark green, slightly netted and of a rich orange color where the melon lies on the ground. The flesh is thick, salmon-colored, and in quality is hard to beat. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., $1.50.

Lewis' Perfection This fine new melon is quite distinct in shape; see illustration of a specimen fruit. Skin dark green. Firm, deep orange-colored flesh of delicious flavor. Very prolific; a rampant grower; average weight of fruits from 8 to 13 pounds. A few days earlier than Osage. Pkt., 5c; oz., 30c; ¼lb., $1.00.

HOODOO. Said to be **"The best all-purpose muskmelon in the world."** An ideal table melon and unsurpassed for shipping. Melons nearly round; orange fleshed; quality of the best. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., $1.50.

TIPTOP. A yellow-fleshed melon of **tiptop** quality. Every fruit produced, early or late in the season, is a good one. Sweet, juicy and eatable up to the rind. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., $1.50.

EMERALD GEM. Ripens early; medium size; nearly round; flesh a delicate light-salmon color; thick, fine grained. Few melons can compare with it in superb flavor. The rind is thin, dark green, **ribbed but not netted. One of the best for home use.** Pkt., 5c; oz., 15c; ¼lb., 40c; lb., $1.50.



LEWIS' PERFECTION

WATER MELON

Wassermelone, Ger. Melone d'Eau, Fr.

The varieties of melons listed here are all first-class, some being more suitable for one purpose and some for another. Our seeds have been grown by careful specialists, and can be depended on to produce good crops under favorable weather conditions. Melon seeds, like those of Cauliflower, are among those in which *quality* should be considered first and the *price afterwards.* You can not afford to take any risk with "cheap melon seed." *Recollections of quality remain long after the price is forgotten.*

Watermelons delight in a light, sandy soil, fully exposed to the sun. Plant in hills 8 feet apart each way. Put eight or ten seeds in each hill; when danger from insects is past, thin out to three plants.

One ounce of seed will make 20 or 30 hills; 4 pounds sufficient for an acre.

ALABAMA SWEET. This melon is largely grown in the South for shipment to distant markets. The fruits are oblong in form, dark green rind, slightly striped. Sweet, red flesh. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 80c.

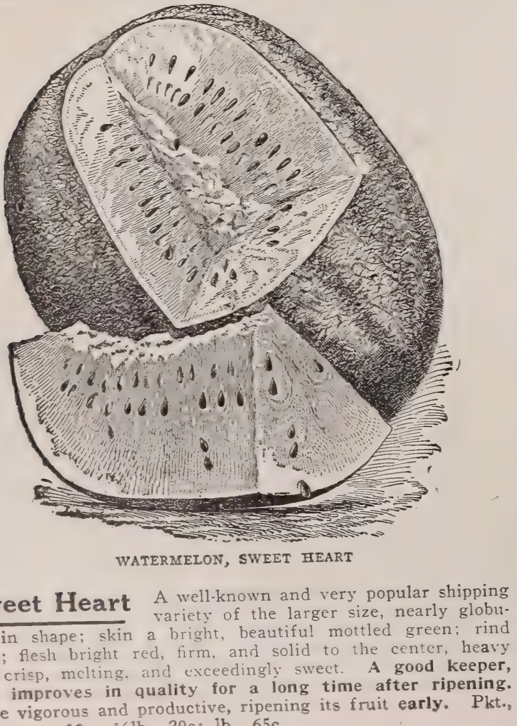
BLACK DIAMOND. Grows to an enormous size. The color is rich deep greenish black; rind thin but quite tough—**a good shipper;** flesh rich red, thick, firm, solid, and sweet. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 65c.

CITRON, RED-SEEDED. For pickles and preserves only, as it is unpalatable in the raw state. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 65c.

CUBAN QUEEN. Fruit is medium sized and oval in shape. The flesh is bright red, very crisp, sweet, and tender. This melon stands handling well, as the rind is quite thick and hard. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 70c.

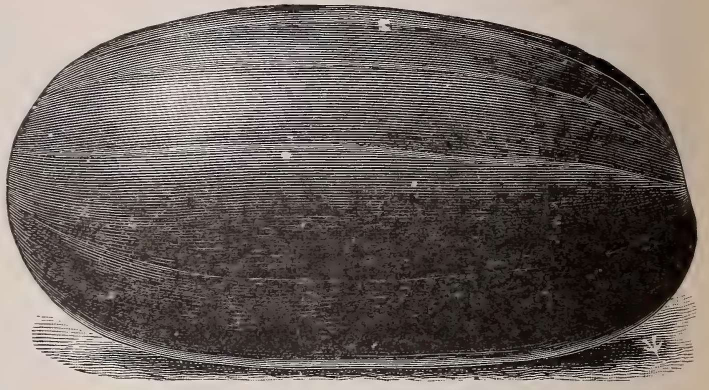
DARK ICING. An early melon which is valuable for home use or shipping. Fruit nearly round, dark green veined and mottled. Flesh red; fine quality. Pkt., 5c; oz.. 10c; ¼lb., 20c; lb., 65c.

Dixie. A popular market sort. Vine vigorous, large growing and hardy, ripening its fruit earlier than most of the large sorts; fruit medium sized to large, about one-third longer than thick. Color of skin dark green, striped with a lighter shade; rind thin but tough; flesh bright scarlet, ripens closely to the rind. This melon is very highly esteemed in the South. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 65c.



WATERMELON, SWEET HEART

Sweet Heart A well-known and very popular shipping variety of the larger size, nearly globular in shape; skin a bright, beautiful mottled green; rind thin; flesh bright red, firm, and solid to the center, heavy but crisp, melting, and exceedingly sweet. **A good keeper, and improves in quality for a long time after ripening.** Vine vigorous and productive, ripening its fruit **early.** Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 65c.



WATERMELON, KLECKLEY SWEETS

Cole's Early is the finest watermelon **for the family garden,** especially in **our Northern States.** Fruits grow to a medium size, with a large heart and bright-red flesh of delicate texture. It has a very thin rind which makes it deficient in shipping qualities. Extreme earliness is its great merit. It will ripen in Northern States where other melons would be a failure. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 65c.

PHINNEY'S EARLY. A standard variety of medium size and oblong form; marbled smooth with two shades of green. It is sweet and productive; flesh is red, sweet, and luscious. Hardy and sure cropper. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 65c.

Halbert Honey A melon of recent introduction. The fruits are cylindrical oblong form, with smoothly rounded ends. Rich glossy green rind; flesh crimson. A splendid melon for home use on account of its sweetness. Too brittle to stand shipment. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 70c.

HUNGARIAN HONEY. Early and productive. The melons are perfectly round, dark green, and of medium size. Flesh bright red, solid, and sweet. Fine melon for culture in Northern States. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 85c.

KOLB'S GEM. Largely grown by southern shippers. The rind, though quite thin, is tough, standing handling and shipment long distances without breakage. The flesh is of bright red and of fair quality. Ripens in midseason. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 65c.

Kleckley Sweets A large, oblong melon, in form like Alabama Sweet, illustrated above. The skin is dark green, flesh bright scarlet, ripening close to the skin, the rind being only about one-half inch in thickness. The flesh is sweet and sugary. The melon is better for home use than for shipping. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

PEERLESS, or Ice-Cream. An excellent home garden melon, and one of the best for market gardeners who sell direct to consumers. Productive, medium size, sweet and delicious. Oval shaped, thin rind, bright green, finely veined or mottled. Flesh bright scarlet, solid to the center. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 65c.

TRIUMPH. A **late ripening,** shipping melon which under favorable conditions attains **an enormous size.** The rind is dark green color, with indistinct stripe; flesh deep crimson, ripening up evenly and of very **fine** quality. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 65c.

MUSHROOM SPAWN

Champignon Brut, Ger. Blanc de Champignon, Fr

This most delicious esculent, considered by most people a luxury, is more easily cultivated than imagined. Mushrooms may be grown in a great variety of situations—**a dark room, cellar, stable, in sheds, under greenhouse benches,**—where the temperature can be maintained at fifty to sixty-five degrees.

One pound of English Mushroom Spawn is sufficient for six square feet of bed.

MUSHROOMS GROWN FROM ENGLISH MILL TRACK SPAWN

ENGLISH MUSHROOM SPAWN

We make quite a specialty of this article, supplying the largest growers of mushrooms. It may always be depended upon as fresh, because we import the stock several times during each year. It comes in bricks weighing about twenty ounces each. One brick will spawn about eight square feet of bed. Price per brick, 25c; 5 lbs., $1, postpaid. By express or freight, per brick, 15c; 10 lbs., $1.00; 25 lbs., $2.00.

Books about Mushroom Growing

To those who wish to thoroughly read up on this subject, we recommend and can supply the following books:

Mushroom Culture. An English work. 50c postpaid.

Mushrooms. By Wm. Falconer. The best American book for beginners. $1.00 postpaid.

Mushrooms, Edible and Poisonous. By Geo. F. Atkinson. Contains over 250 half-tone engravings, several colored plates, and cultural directions, with flash-light photos of Mushroom houses, cellars, covers, etc. Price, $3.00, postpaid.

The Mushroom Book. By Nina L. Marshall. 24 colored plates, 24 black and white, and about 100 text cuts. $3.28 postpaid.

MARTYNIA, For Pickles

This is well worth growing, as the large plants with their handsome pods attract great attention. When young and tender (test by pinching with the nail), the seed-pods make excellent pickles, and as they are produced in great abundance, a few plants will suffice for an ordinary garden. Sow in May or June. Pkt., 10c; oz., 30c; ¼lb., $1.00; lb., $3.00.

MUSTARD, For Salads or Greens

Senf, Ger. Montardo, Fr.

The young leaves are used in early spring with cress, lettuce, etc. Sow thickly in shallow drills a foot apart, and cut when a few inches high. May also be boiled and eaten like spinach.

One ounce sows 75 feet of drill.

WHITE. Excellent for salads or garnishing. Oz., 5c; ¼lb., 15c; lb., 40c.

BLACK or BROWN. Leaves oblong, broad and cut. Seeds reddish brown. Oz., 5c; ¼lb., 15c; lb., 40c.

SOUTHERN GIANT CURLED. Leaves much crumpled at the edges and twice the size of the ordinary White Mustard. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 60c.

Gardening for Profit **By Peter Henderson.** The standard work on market and family gardening. The successful experience of the author for more than 30 years, and his willingness to tell, as he does in this work, the secret of his success for the benefit of others, enables him to give most valuable information. The book is profusely illustrated. 376 pages. 5 x 7 inches. Cloth, $1.50

Mushroom Culture in Brief

Two or three weeks before the bed is to be made, collect a quantity of horse manure, free from straw, and mix an equal amount of loam from an old pasture with it. Place it under cover, turning it over once or twice a week until the fiery heat has been exhausted.

When the manure is in condition to be made up, lay out the bed, say three feet wide, ten feet long, and make the bed in layers of about one foot deep; press it down firmly as the process of building goes on. When the bed has been made some time, say a week or thereabouts, and the heat is sufficiently declined to a temperature of about 65 or 75 degrees, the spawn may be put into it. Break the spawn in pieces two inches square, and put them six inches apart, all over the bed, then cover the bed with two inches of rich soil, not too wet or overdry. Cover the bed with a foot of dried straw or hay; examine once a week to see if the manure is not heated while in this condition; if so, it will destroy the spawn, and necessitate spawning a second time. If everything goes on well, you may expect Mushrooms in about five or six weeks.

NASTURTIUM, or INDIAN CRESS

The seed pods, gathered green, are used in flavoring pickles, or as a substitute for capers.

TALL. Climber, 10 ft. high, ornamental flowers, large seeds. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

DWARF. A trailer, requiring no support; smaller but more profuse. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

For named sorts, see Flower Seed Pages.

OKRA, or GUMBO

Essbarer Safran, Ger. Gumbo, Fr.

Sow after weather becomes warm, in rows three feet apart, two feet apart in the rows. Will succeed in any good garden soil. The young green pods make a healthful and nutritious soup, and when pickled are a fine salad.

IMPROVED DWARF. A distinct early variety. Pods comparatively short. Pkt., 5c; oz., 10c; ¼lb., 15c; lb., 50c.

WHITE VELVET. Bears round, white, smooth pods, unlike other varieties, which are ridged or square-edged. The pods are of extra large size, and are produced in great abundance. Pkt., 5c; oz., 10c; ¼lb., 15c; lb., 50c.

RADISH, a Profitable Crop. Farmers' boys can make money easily and very quickly by sowing an ounce or two of Radish seed. It is surprising how many bunches can be sold at 5c each from the little garden plot. Only 4 to 5 weeks required from sowing to selling. Try it and see.

Zwibel, Ger. ONION SEED Ognon, Fr.

We pride ourselves in supplying the VERY BEST ONION SEEDS that can be produced

ANY ARTICLE which is used in quantities proportionately large becomes an article of sharp competition, and this business rivalry naturally leads to strife to produce the commodity at lowest possible price. This, in many things, is legitimate and desirable, but **emphatically NOT SO in Onion Seed.** Nevertheless, the effort to offer Onion Seed at low prices has the tendency to make the grower less careful in its production, the result being seeds **not** of the high quality appreciated by experienced planters.

We still stand on the platform of QUALITY, and instruct our growers to give us THE BEST at the necessary advanced cost price.

The Onion is most successfully grown in a rich, sandy loam. Continued cultivation upon the same plot of ground, contrary to the general rule, rather improves the crop than otherwise.

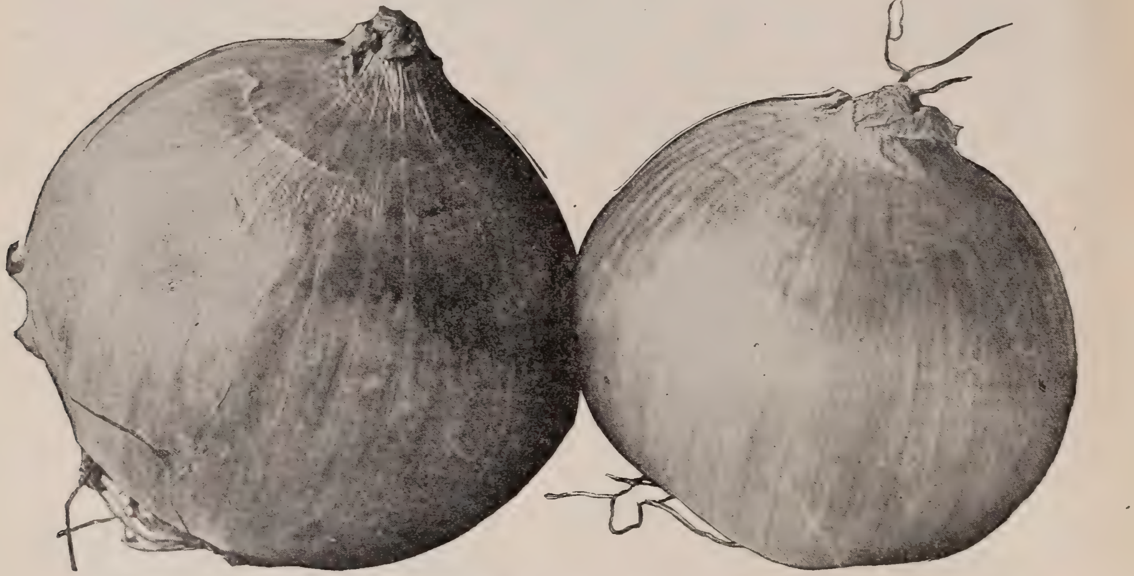
As early as the ground can be worked in the spring, sow the seed in drills 14 inches apart, covering half an inch. When the plants first appear in the rows, commence hoeing, just skimming the surface. Subsequently, weed thoroughly and carefully by hand. When the tops die, pull the onions and spread evenly over the ground; stir or turn until thoroughly dried, then cut the tops off one-half inch from the bulb. Winter in a frost-proof place.

One ounce for 200 feet of drill; 4 to 5 lbs. for an acre.

The New Onion Culture

By T. Greiner.

Rewritten, greatly enlarged, and brought up to date. A new method of growing onions of largest size and yield, on less land than can be raised by the old plan. Many farmers, gardeners, and experiment stations have given it practical trials which have proved a success. Illustrated. 140 pages. 5 x 7 inches. Cloth, 50 cents, postpaid.



ONIONS, BARNARD'S SELECTED YELLOW GLOBE

GLOBE ONIONS *are preferred by some growers to those of any other shape. Such onions do not occupy any more space in the row; their size and solidness make them weigh out and measure more, and their attractive appearance finds for them ready sale in nearly all markets.*

Barnard's Yellow Globe

This is a superb onion for all classes of soil (well enriched) on account of its quick maturing qualities, and especially good for muck lands. The onions from this strain of seed ripen **early and all at once.** They are **distinct and perfect in shape, with very small necks; handsome, bright, even color.** The firm solid bulbs are all that can be desired in **size and quality.** Being **excellent winter keepers,** they are sought in all onion markets. Pkt., 5c; oz., 20c; ¼lb., 50c; lb., $1.65.

SOUTHPORT YELLOW GLOBE. A larger and heavier onion than Yellow Globe Danvers. It has thin, yellow skin, white flesh; is fine grained, mild flavored, and the best of keepers. Reliable for bottoming and free from scullions. It matures early; sells at the best prices. Pkt., 5c; oz., 20c; ¼lb., 50c; lb., $1.65.

MICHIGAN YELLOW GLOBE. This onion, while globe-shaped, has a somewhat flattened base. The bulbs are deep yellow in color, ripen early, and are good keepers. **Recommended for culture upon black soil.** Pkt., 5c; oz., 15c; ¼lb., 45c; lb., $1.50.

Yellow Globe Danvers

A well-known standard onion for **market purposes and home use.** A heavy cropper and good keeper. Skin, silvery yellow; flesh white, comparatively mild and well flavored. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., $1.25.

AUSTRALIAN BROWN. Bulbs of this variety have been kept in perfect condition **the year around.** The onions **are of medium size,** somewhat flattened but deep through and of a light reddish-brown color. They mature **very early,** being two weeks earlier than Yellow Danvers. The bulbs are firm, and ripen up hard and smooth with small necks. The flavor is mild and sweet. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., $1.25.

YELLOW DANVERS. This differs from Yellow Globe Danvers in that the bulb is flatter. Being a heavy yielder, it is largely cultivated both for market and home use. **It** is also grown to a considerable extent for sets. **Pkt., 5c;** oz., 15c; ¼lb., 40c; lb., $1.25.

YELLOW DUTCH OR STRASSBURG. This is the kind chiefly used around Chicago and elsewhere for sets. It is later, flatter, and has a darker colored skin than Yellow Danvers. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., $1.25.

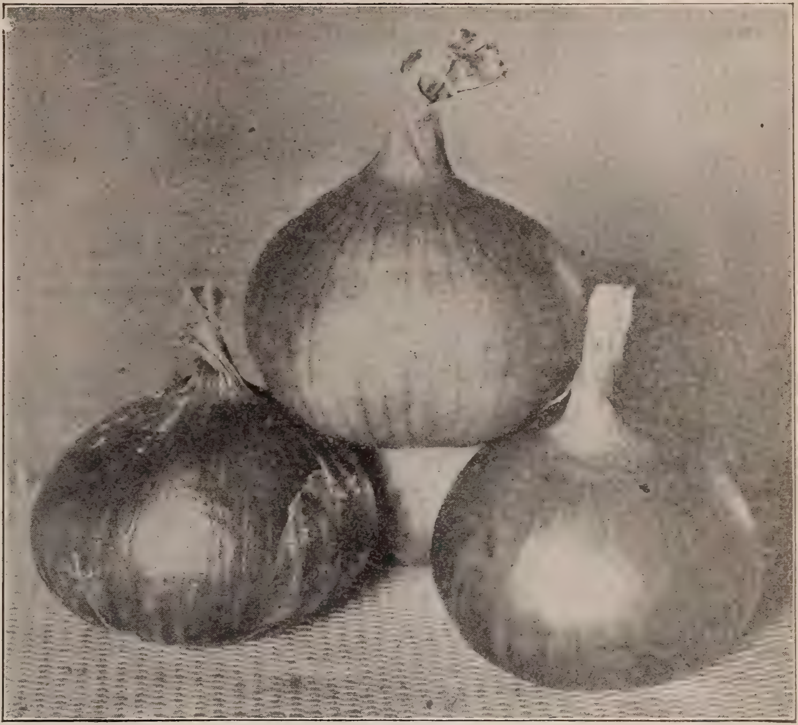
ONION GROWERS *and Market Gardeners who use large quantities of Onion Seed should write us for special prices. Name quantity and kinds wanted. If you can use a drill or a cultivator along with some onion seed, let us know your requirements. We can save you some money on the* ***deal.***

ONION, continued

Prizetaker A very handsome onion of **the largest size,** and nearly globular in form. (See the center bulb in the engraving). Skin light yellow; flesh white. It is **easily grown,** medium early in maturing. By sowing early and transplanting as described in **The New Onion Culture** (mentioned on preceding page), this variety can be grown to an enormous size. Pkt., 5c; oz., 20c; ¼lb., 50c; lb., **$1.50.**

EXTRA EARLY RED FLAT. A medium-sized flat variety, good yielder. Ready for use about two weeks earlier than Large Red Wethersfield. Fine grained and mild in flavor. Very desirable for early marketing. Best where seasons are very short. Good keeper. Pkt., 5c; oz., 20c; ¼lb., 50c; lb., $1.60.

LARGE RED GLOBE. Of medium size, spherical, with small neck. Deep, rich color, handsome form, and superior quality. We offer a strain of exceptionally fine seed, much superior to that usually sold. Pkt., 5c; oz., 20c; ¼lb., 50c; lb., $1.65.

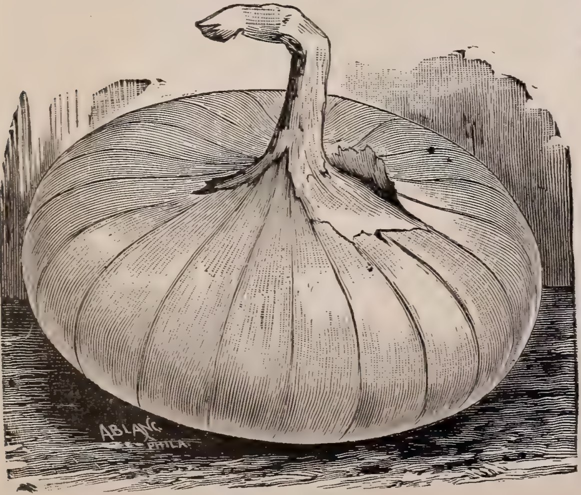


ONIONS, PRIZETAKER, RED WETHERSFIELD

Large Red Wethersfield Very popular, a sure and heavy yielder and good keeper; grows to an immense size, oval shaped, flattened on top, skin purplish red; flesh purplish white, strong flavored. The best variety for poor or dry soils. Pkt., 5c; oz., 20c; ¼lb., 50c; lb., $1.60.

White Portugal or **Silverskin.** The bulbs are flat in shape and mature earlier than those of Yellow Danvers. It is a splendid variety both for home use and the market gardener. It is extensively used for growing sets, for which it is well adapted on account of the shape of the bulb and its excellent keeping qualities. It is also used largely for pickling. Pkt., 5c; oz., 25c; ¼lb., 75c; lb., $2.25.

White Globe One of the most beautiful globular, mild flavored onions. A favorite for market; **salable everywhere.** It is of **very large size,** and of **fine quality.** Pkt., 5c; oz., 30c; ¼lb., $1.00; lb., $3.00.



ONION, MAMMOTH SILVER KING

Mammoth Silver King In this onion are combined these desirable qualities: immense size, fine shape, white flesh of wonderful tenderness and sweetness. **Matures early.** For exhibition purposes and for fancy grocery trade, this onion is a desirable one to grow. Pkt., 5c; oz., 20c; ¼lb., 40c; lb., $1.50.

WHITE QUEEN. Fine pickling variety. Bulbs flat and small. Sown in February, they will make onions one or two inches in diameter in early summer. Very early and of rapid growth, and keeps the year round. Pkt., 5c; oz., 15c; ¼lb., 40c; lb., $1.50.

Bermuda Onions

Teneriffe Grown Seed

In very early spring, the handsome oval Bermuda onions reach the northern markets, where their great size at once arrests attention. The are tender and mild in flavor. These fine onions can be grown in our northern climate, but will not attain the size of the imported ones. For best results, sow in hotbed and transplant.

RED BERMUDA. Pkt., 5c; oz., 25c; ¼lb., 75c.
WHITE BERMUDA. Pkt., 5c; oz., 25c; ¼lb., 75c; lb., $2.75.
CRYSTAL WHITE WAX. A white flat onion; fine for slicing. Pkt., 5c; oz., 30c; ¼lb., 85c; lb., $3.00.

ONION SETS

Bottom Sets are grown from seed, and are the most used. **Top Sets** are cultivated in some parts of the country. **White Multipliers** are fine for bunching green. They are enormously productive.

Three quarts of sets will plant a row 100 yards long.

White Bottom Sets	Per Qt., postpaid, 30c
Yellow Bottom Sets	30c
Red Bottom Sets	30c
Top Onions	30c
Potato Onion	30c
White Multiplier	40c

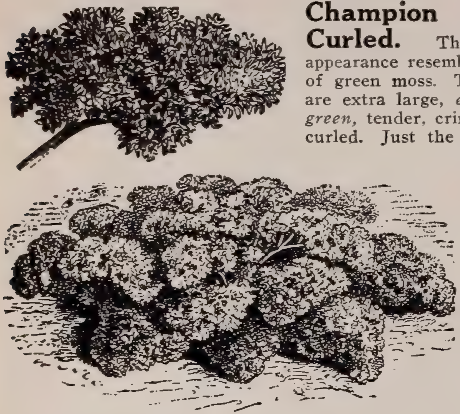
Price on large quantities are subject to market changes. Write us when you are ready to buy, stating quantity and kinds wanted.

We are prepared to fill your order at any time—right NOW. It will pay you to order early, so you will have your seed to sow just at the right time.

PARSLEY

Petersilie, Ger. Persil, Fr.
1 ounce will sow 150 feet of drill.

Soak the seeds a few hours in lukewarm water and sow early in spring, in drills one foot apart. Thin out the plants to four inches. To preserve in winter transplant to a light cellar or glass frame. Used for garnishing and seasoning soups, meats, etc.



CHAMPION MOSS CURLED PARSLEY.

Champion Moss Curled. The plant in appearance resembles a tuft of green moss. The leaves are extra large, *extra dark green*, tender, crimpled and curled. Just the thing for market men to sell in bunches of pot herbs. We recommend this sort. Pkt. 5c; oz., 10c; ¼lb., 20c; lb., 65c.

FINE DOUBLE CURLED. A curled variety having crimped leaves. It is used mostly for garnishing. Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 65c.

PLAIN OR SINGLE. Plain leaves of excellent flavor. They are longer than those of the curled Parslies. Pkt., 5c; oz., 10c; ¼lb., 15c; lb., 50c.

HAMBURG. The edible portion is the fleshy root. It is highly esteemed for flavoring soups, stews, etc. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 80c.

PARSNIP

Pastinake, Ger. Panais, Fr.
1 oz. will sow about 150 ft. of drill.

Cultivate as for Carrots. It is customary to leave Parsnips in the ground over winter, as frost improves the quality of the roots. The Parsnip is valuable not only as a table vegetable, but for stock feeding purposes also.

MAGNUM BONUM PARSNIP

Magnum Bonum It gives the utmost satisfaction and yields the most money to the market gardener because of its decidedly handsome appearance, smooth, heavy roots, which are broad at the shoulder, fine grained, and of superior quality. Pkt., 5c; oz., 7c; ¼lb., 15c; lb., 50c.

HOLLOW CROWN. An old standard sort, long, sweet, and very productive. One of the best for general cultivation. Pkt., 5c; oz., 7c; ¼lb., 15c; lb., 50c.

IMPROVED GUERNSEY. This is a good, half-long variety, having smooth roots. It is of good quality and recommended for the family garden. Pkt., 5c; oz., 7c; ¼lb., 15c; lb., 50c.

EARLY ROUND. The earliest. Roots are of small size. Sometimes used for bunching with pot herbs. For shallow soils use this sort. Pkt., 5c; oz., 7c; ¼lb., 15c; lb., 50c.

We continue to furnish the same full-sized packets and high quality seed that we have always supplied to our customers. Remember, too, we pay the postage on seeds ordered to be sent by mail at packet, ounce, quarter-pound and pound rates.

PEANUTS

When sending your seed order, don't forget to order a few Peanuts for the boys and girls. Plant in May, in drills 3 feet apart, placing the nuts 8 to 12 inches apart in the drill. Cultivate flat and keep clean.

SELECTED VIRGINIA. A fine, productive strain, selected especially for seed purposes. By mail, postpaid, ½lb., 15c; lb., 25c.

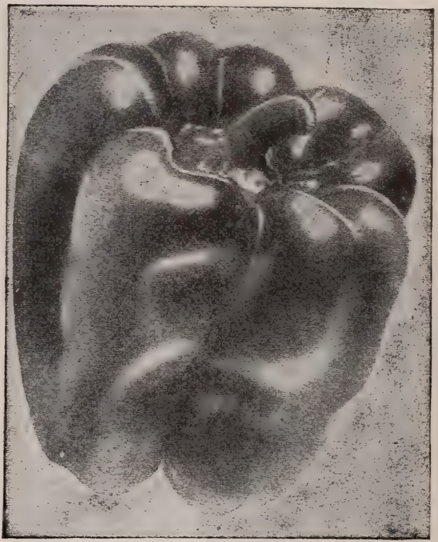
PEPPER

Pfeffer, Ger. Piment, Fr.

Peppers are indispensable as a seasoning for soups and meats. The large varieties are mainly used for the purpose, and for pickling. The mild, sweet varieties, like **Golden Dawn** and **Ruby King**, are used for mangoes, while the small-fruited sorts are best for sauces.

Peppers are more tender than most vegetables. The seed should be sown in a hotbed, cold frame, or if no other convenience, a box in the window, and transplanted about the last of May. They can be sown in the open ground when the weather becomes warm and settled. Warm, mellow soil, well fertilized, should be used.

1 ounce of seed for 1,500 plants.



CHINESE GIANT PEPPER

Chinese Giant The best, **mildest and largest red pepper.** Fruit of bright scarlet color when ripe. Excellent for eating and for stuffing. The *Rural New Yorker* (one of the best of the weekly agricultural papers), speaking of it editorially, says: "Chinese Giant pepper has given us great satisfaction the past summer. It is mild and well flavored, and appears to be one of the few sweet peppers that do not shock the unwary customer by suddenly developing a taste like a torchlight procession." Pkt., 10c; oz., 40c; ¼lb., $1.25.

LARGE BELL, or BULL NOSE. Mild, thick, and hard; suitable for filling with cabbage, etc., and for a mixed pickle. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., $2.00.

SWEET MOUNTAIN. Similar to the Bell, but larger, much used for stuffed pickles. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., $2.00.

GOLDEN DAWN. Color bright golden yellow, very brilliant and handsome. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., $2.00.

RUBY KING. The peppers attain a very large size. When ripe, they are of a beautiful bright ruby red color, and are mild and pleasant to the taste. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., $2.00.

LONG RED CAYENNE. Hot and pungent; dwarf growth. Pkt., 5c; oz., 25c; ¼lb., 60c; lb., $2.00.

CELESTIAL. Conical fruits, creamy tinted, turning to scarlet when ripe. Pkt., 5c; oz., 25c; ¼lb., 75c.

CHERRY RED. Smooth, round variety. **Fruit glossy scarlet.** Pkt., 5c; oz., 25c; ¼lb., 75c.

PEPPER PLANTS. These we can supply **in season. (See** end of Vegetable Seeds on page 32.)

ERBSEN, Ger. # GARDEN PEAS

POIS, Fr.

Our Seed Peas are all grown in the north, and are of the **earliest and hardiest as well as the purest strains.** They are far superior to most of the Seed Peas sold. They may be expected to bring well-filled pods, which cheap and carelessly grown seed will not do.

The number of Garden Peas is almost limitless. While new and improved sorts are constantly being brought out, a great many of the others continue to be popular. It is worth while to make a trial of some of the new ones offered here as well as the standard sorts on the page which follows this to determine upon the best for future use.

The smooth-seeded early sorts, such as **Leader, Alaska,** and **First and Best,** can be sown while frost is yet in the ground, while larger and sweeter peas sown at the same time would rot. **Sow some of the early, second early, and late varieties at intervals of about two weeks apart,** and your table will be supplied with delicious peas during the entire season.

Dwarf growing Peas require very rich soil and *need no support of any kind;* tall growing sorts should be trained to wire trellises or supported by brush. Wrinkled peas (indicated * thus) are the sweetest, and are recommended for the home garden.

Figures preceding description of varieties indicate height.
One quart of seed will sow 100 feet of drill.

THREE NEW PEAS

Little Marvel* 18 in. Matures about the same time as Nott's Excelsior, but ripens all at once and is **a better cropper.** The dark-green pods are produced in pairs. They are about 2½ inches in length, blunt at the end. Most flattering reports on this pea come from different parts of the country. Thus far the seed is extremely limited in quantity, and can be offered accordingly only. Pkt., 10c; pint, 35c; quart, 60c.

Alderman* 5 ft. Ripens mid-season, or second early. **Vigorous and robust grower.** Produces extra large, well-filled pods resembling Telephone. A valuable variety for the market gardener, as in addition to its other good points it is a profuse bearer. Pkt., 5c; pt., 25c; qt., 45c; pk., $2.00.

Senator* 3 ft. Second early. Makes large pods, **always crooked but generally well filled.** The peas are of high quality, luscious, sweet, and tender. One of the best of the newer introductions. From the experimental trial notes we feel confident this fine new Pea will give satisfaction everywhere. Pkt., 5c; pt., 25c; qt., 45c; pk., $2.00.

Three Best Peas for Table Use

NOTT'S EXCELSIOR HEROINE
ADMIRAL DEWEY

They may all be planted the same time. Will be ready for use in succession and furnish an abundance of delicious Peas all summer.

Extra Early and Early Varieties

Barnard's Leader 30 in. It is absolutely **the earliest of the earlies,** and is a prodigious yielder, ripening with great uniformity. Pods of medium size, well filled with *round smooth peas* of splended flavor. Include this variety in your order. Pkt., 5c; pt., 25c; qt., 45c; pk., $2.00.

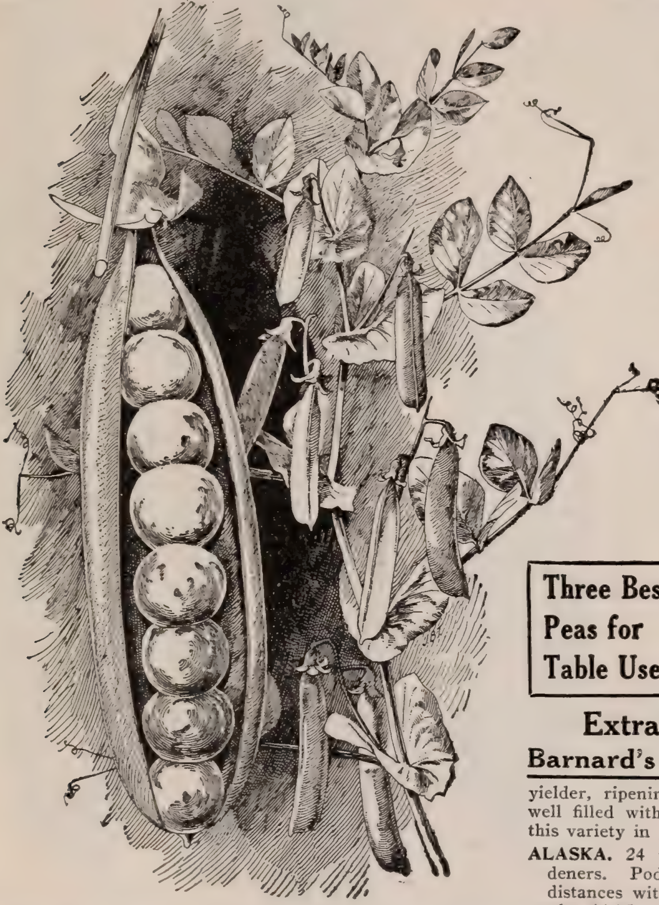
ALASKA. 24 in. A desirable, very early pea for market gardeners. Pods dark green, peas blue. Can be shipped long distances without losing its color. Pkt., 5c; pt., 25c; qt., 40c; pk., $1.75.

FIRST AND BEST. 30 in. Stocky and vigorous grower. Makes pods of good size. Pkt., 5c; pt., 25c; qt., 45c; pk., $2.00.

American Wonder 12 in. Its dwarf habit of growth makes it well suited for the home garden. Matures in about five weeks. Seed medium sized, generally flattened, wrinkled; pale green in color. Quality and flower excellent. Pkt., 5c; pt., 30c; qt., 50c; pk., $2.50.

Thomas Laxton* 36 in. A variety of exceptional merit, producing long, plump pods almost **square** at the end, and peas of superb quality. **Especially desirable for the home garden.** Although it commences to bear very early, it continues for a long time. The peas, too, have the merit of retaining their tenderness even after the pods are no longer young. Pkt., 10c; pt., 35c; qt., 60c; pk., $3.00.

Sutton's Excelsior 18 in. Ready at same time as Nott's, but has much larger pods. They are long, straight, bright green, and well filled out. The vines are hardy, permitting early planting, and they yield heavily. Pkt., 10c; pt., 30c; qt., 50c; pk., $2.50.



Goodwin's Prizewinner* 18 in. Season, three days later than Alaska. Vine of branching habit, profuse bearer, producing twelve to sixteen pods containing six to eight peas each of good size and quality. Seed, light green. Pkt., 5c; pt., 30c; qt., 50c; pk., $2.50.

Surprise* ECLIPSE or "STATION" Pea. 18 in. Comes in just after Alaska. On account of its delicious sweetness every family garden should have this pea. Pods are round, two and one-half to three inches in length. The Surprise pea has attracted universal attention, and has everywhere made a splendid record for both quality and quantity. Its sweetness is noteworthy, and it bears with a profusion that is truly remarkable. Its extreme earliness makes it one of the most profitable market peas ever introduced, and nothing superior to it is available for the family garden. Pkt., 5c; pt., 30c; qt., 45c; pk., $2.00.

TOM THUMB. 12 inches. Peas smooth and white. Pkt., 5c; pt., 20c; qt., 40c; pk., $2.00.

Buyers of Peas in larger lots than pecks should ask for our MARKET GARDENER'S LIST.

PEAS—Extra Early and Early Varieties.—Continued

Prices for packet, pint, or quart include postage. When purchased over our counters or if forwarded by mail or express at buyer's expense, 8 cents per pint or 15 cents per quart may be deducted from our prices.

***Nott's Excelsior**

15 inches. The pods average fully one-third larger than those of **American Wonder**, and while Nott's may not always be quite so early by a few days, are all ready for picking at one time. Each pod contains 6 to 8 large peas. Pkt., 5c; pt., 30c; qt., 50c; pk., $2.50.

***Gradus (Prosperity).** 30 inches. As early as Leader, Alaska, and other smooth-seeded sorts, with the size and quality of Telephone and Stratagem. One market gardener says of it: *"Gradus is nice looking, easy to pick, and sells better than the smaller kinds."* (See photo of pod, natural size.) The pods are large, nearly round, plump, bright green in color, well filled with peas that are sweet, rich, and mellow. Crop extremely short. Pkt., 10c; pt., 40c; qt., 75c; pk., $3.00.

***PREMIUM GEM.** 15 in. Requires no support. One of the most profitable peas for market or family use. It has been successfully used for forcing under glass. Pkt., 5c; pt., 30c; qt., 50c; pk., $2.50.

Second Early Peas

For description and prices of **Three New Peas** please turn to page **25.** We want every one who makes a garden to try these improved sorts.

***Heroine** 30 inches. Bears a profusion of long, slightly curved, pointed pods containing eight to nine peas of fine quality. **An immense cropper,** yields much more than ordinary varieties. **A great favorite for market purposes.** Pkt., 5c; pt., 30c; qt., 50c; pk., $2.50.

***ADVANCER.** 30 inches. It bears medium-sized pods that are well filled with dark-green, large peas. Quality good as the best. Pkt., 5c; pt., 30c; qt., 50c; pk., $2.50.

EVERBEARING. A first-class Pea for summer and autumn use; pods 3 to 4 inches long, and contain 6 to 8 peas of a rich flavor, very sweet and tender. Pkt., 5c; pt., 25c; qt., 40c; pk., $2.00.

***Dwarf Telephone** 24 in. This grand pea is rapidly gaining favor among gardeners of all classes. In habit it is dwarf and stocky. Bears close planting, and requires no sticks or supports. The pods frequently measure 5 inches in length, and are broad, straight, and remarkably well filled. The color of the pod is pale green, and it is thick, plump, and well adapted to marketing. Pkt., 10c; pt., 30c; qt., 50c.

***HORSFORD'S MARKET GARDEN.** 2 feet. Prolific, pods well filled, 3½ inches long. For summer crop there are few better. A standard sort. Pkt., 5c; pt., 30c; qt., 50c; pk., $2.25.

The three pods shown here are actual size (made from photographs). A little study will convey to the intending purchaser just what he may expect from the seed planted. Our descriptions are conservative, not exaggerated. They are based upon the field notes taken at the growing stations.

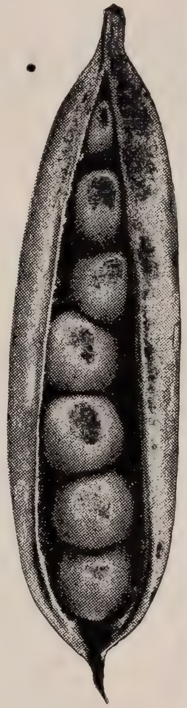
Main Crop and Late Peas

***Admiral Dewey** 4 feet. Undoubtedly the best of all the class of long vine, large podded peas, such as Telephone and Stratagem. Pods usually borne in pairs, and in great abundance; they are about 2½ inches long, curved, bright green, crowded with six to nine peas of the very best quality and color. Pkt., 5c; pt., 30c; qt., 50c; pk., $2.50.

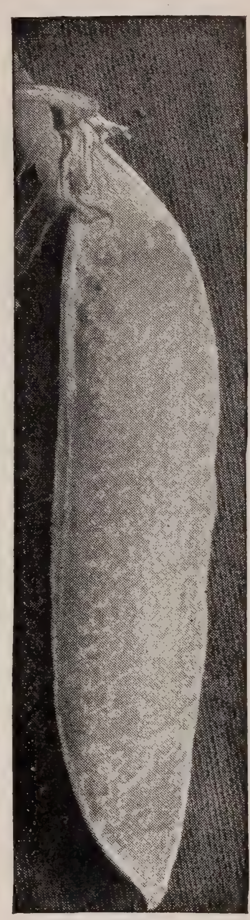
***Telephone** Selected Stock. Immensely productive. Leaves coarse; vines grow 4 feet high. They produce enormously, and eight to ten pods to a vine. The pods are very large; so well filled with peas of excellent quality that **Telephone** has become one of the most prominent late peas to be grown for market. Pkt., 5c; pt., 30c; qt., 50c; pk., $2.50.

***Improved Stratagem** 2 feet. The pods are of immense size and uniformly filled with very large dark-green peas of the finest quality. Vines stocky, with broad, light-green leaves, and bearing an abundance of large handsome pods. A splendid variety either for market purposes or home garden. Pkt., 5c; pt., 25c; qt., 45c; pk., $2.25.

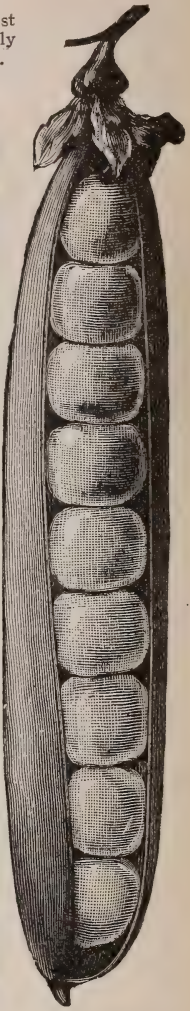
***CHAMPION OF ENGLAND.** 4½ feet. For a long time this variety has been regarded as the standard **late** garden pea. From it the whole race of green wrinkled peas has been developed. Comes into bearing just after Stratagem. One of the most delicious peas in existence. Pkt., 5c; pt., 25c; qt., 40c; pk., $2.00.



CHAMPION OF ENGLAND



EARLY GRADUS



TELEPHONE

LONG ISLAND MAMMOTH. 42 inches. A very large, mid-season variety, of special value for market gardeners, on account of the large size and remarkable productiveness. Tender, sweet, and luscious. The peas are almost smooth when dry. Pkt., 5c; pt., 25c; qt., 40c; pk., $2.00.

BLACK=EYED MARROWFAT. 60 in. Hardy, strong, and vigorous. Pods are broad, thick, and leathery. They contain four to five large peas of good substance. Pkt., 5c; pt., 20c; qt., 25c; pk., $1.25.

ROYAL DWARF WHITE MARROWFAT. This and the preceding variety are usually grown as field crops. Pkt., 5c; pt., 20c; qt., 35c; pk., $1.25.

Sugar or Edible-Podded Peas

When cooked, they are equal to the best snap beans. Being hardy, can be planted early in spring. Of strong, upright habit, growing about 12 to 15 inches high. The pods are gathered while young and boiled whole. Pkt., 5c; pt., 30c; qt., 50c; pk., $2.50.

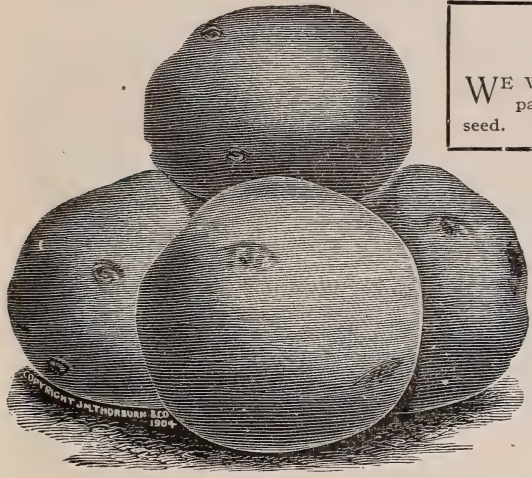
Customers who are unfamiliar with different Peas are invited to leave selection to us.

One Peck Will Plant 125 Hills

Selected Seed Potatoes

In Drills 1 to 12 bus per acre

PURCHASER pays the transportation charges. Please order early and name a date when we shall ship. Safe arriva guaranteed if shipped at our discretion. Buyer assumes risk of heating or freezing. Our barrels contain 2¾ bushels; we make no charge for package or delivery to the carrier. We ship by freight, unless otherwise expressly instructed on your order as received by us. **Prices are subject to market changes, and are net; no discount on Potatoes.**



SEED POTATOES BY MAIL

WE WILL send any varieties offered herein by mail or express prepaid at 25c per lb. A good way to get a start with a change of seed.

INSECT DESTROYERS

To successfully combat the attacks of the numerous insects which chew the leaves of potato vines, it is necessary that the foliage be frequently sprayed or dusted during the growing season. The best insecticides for the purpose are named below:

ARSENATE OF LEAD. This comes in the form of thick sticky paste.. For ordinary use, take one tablespoonful to one gallon of water; for potato beetles the amount may be doubled. It is very adhesive, sticking to the leaves like paint. Will stand summer showers for considerable time. Price, **not prepaid:** 1 lb., jar, 25c; 5 lbs., $1.00; 12½ lbs., $2.00. Special price in large quantities.

PARIS GREEN. This old-time remedy for leaf-eating insects is generally applied dry by means of a Powder Gun. Some use the powder dry, others mix it with flour or plaster. The most economical way is to apply it in water as a spray. For potato beetles use 1 ounce Paris Green to 3 gallons of water. **Not prepaid:** Lb., 40c; 5 lbs., $1.85.

Red River Early Ohio

WE HAVE SPLENDID SEED.

WITHOUT a doubt Early Ohio is the most popular early potato in the country. Tubers smooth, oblong in shape; resisting scab and dry weather well and bearing the even sized, abundant tubers compactly in the hill. A popular favorite. Pk., 50c; bu., $1.50; sack (2½ bu.) for $3.50.

Rural New Yorker, No. 2

USUALLY called "Rural," is a medium, second early potato which is now well and favorably known the country over as a large yielder and of excellent quality. A profitable variety to raise, as it is quoted in all leading markets. Tubers nearly round, flattened, with very smooth, pure white skin always attractive in appearance. One of the very best varieties now in cultivation.

Pk , 40c; bu., $1.25; sack (2½ bu.) for $3.00; 5 bu. for $5.75

EARLY ACME Strong, upright vines, bearing the prolific crop of high quality tubers very compactly. Can be planted closely in the row. Originated from a Snow flake seed ball which grew between Early Ohio and Early Rose. While resembling the Early Ohio, it has the more vigorous strength of a new stock. Pk., 50c; bu., $1.50; bbl., $4.00

VERMONT GOLD COIN

EARLY ROSE

Doubtless the best known of all early potatoes. It has been a great favorite for many years. Some growers declare it has never been excelled either in quality or productiveness by newer varieties.

EARLY ROSE potatoes are long in shape, of good size, and in color a light pink. They cook dry and mealy. Now is your opportunity to secure seed stock of this prime variety.

Pk., 50c; bu., $1.50; sack (2½ bu.) for $3.50.

Please order early and state how to ship and date you wish potatoes sent.

VERMONT GOLD COIN is a main crop variety. It is a very strong grower vines very large, with deep green foliage covering the ground. The potato is pure white in color, with netted skin, somewhat subject to scab if planted on old land. Not as smooth as the Rural type varieties, but **of rather better quality,** cooking up dry and mealy even when very large and overgrown. **As a cropper it is a leader.** It comes as near being blight proof as any variety we have. Prices: Pk., 50c; bu., $1.50; bbl., $4.00.

EVERY grower of Potatoes will find it to advantage to procure **Leggett's Powder Gun,** illustrated and described on page 89. It distributes Paris Green, Hellebore, Sulphur and DRY powder. Price, $8.00, complete.

POTATOES FOR GENERAL CROP.—Continued.

Snow

A Grand New Maincrop Potato

It originated in Maine, in which state our seed stock was grown. Repeated trials in various sections of the country prove this to be a really valuable and desirable variety.

Snow is a white potato, with a netted skin—a sure sign of good eating quality. The market wants just such a potato. No progressive cultivator of potatoes should fail to give this excellent variety a trial this season.

On account of the large yields that have been reported of this potato, it is rightly entitled to be called the "Poor Man's Friend." It is of handsome shape and most desirable for the best trade. It is a vigorous grower, ripens uniformly, is a good keeper, and fast becoming one of the most popular medium late varieties. The vines are always very heavy, the seed being especially vigorous and tubers always good size where soil is well tilled. Our customers will find the Snow a very reliable potato. We can furnish nice stock while the supply lasts. Lb., 40c; 3 lbs. for $1.00, postpaid. Pk., 75c; bu., $2.50.

Seed Sweet Potatoes.

Choice stock grown and handled expressly for seed purposes.

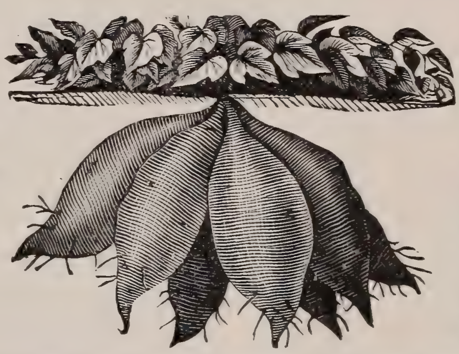
Please order early giving date you wish them shipped. *We do not ship until planting time.*

We pack Seed Sweet Potatoes for shipment in boxes and barrels with greatest care but as Sweet Potatoes are very susceptible to climatic changes *we assume no responsibility for their condition after leaving our hands.*

The following can be supplied.

	Peck	bu.
Yellow Nansemond	$0.50	$1.75
Yellow Jersey	.50	1.75
Red Bermuda	.75	2.25

Please send orders in early.



SWEET POTATO PLANTS.

We can supply these in their season in any desired quantity. For prices on these and any other vegetable plants see end of Vegetable seedlist. For large quantities special quotations will be given on application.

.. PUMPKIN ..

Kuebbis, Ger. Potiron, Fr.

1 oz. to 15 hills; 4 to 6 lbs. to an acre.

The seeds are planted with corn or potatoes, but may be profitably raised in fields by themselves. Sow early in May in hills eight feet apart. For monster Pumpkins for exhibition purposes plant Mammoth Tours in very rich ground and feed liberally with liquid manure.

JAPANESE PIE PUMPKIN. Seeds peculiarly sculptured. Ripens early. Flesh thick; salmon colored; fine grained dry, and sweet. Pkt. 5c; oz, 10c; ¼ lb. 25c; lb, 75c.

CALHOUN. Color outside is yellowish-brown, flesh salmon yellow, flesh thick and of splendid quality. Pies made from it are delicious to eat. Pkt, 5c; oz. 10c; ¼ lb. 20c; lb. 65c.

CONNECTICUT FIELD. Oz. 5c; ¼ lb. 15c; lb. 40c,

LARGE CHEESE. Its fine flesh and rich color make it valuable for table use. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.

WINTER LUXURY. *As a cooking variety and winter keeper it stands unequalled.* It is nearly round, 9 to 10 inches in diameter; of a golden yellow color, netted like a muskmelon. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. $1.00.

TENNESSEE SWEET POTATO. Pear shaped. Color of skin and flesh creamy white; flesh thick, when cooked resembles sweet potatoes. Keeps late into spring. This is an old favorite pumpkin. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

SUGAR. An excellent small round Pumpkin, with deep orange colored skin, flesh sweet and sugary. Pkt, 5c; oz. 10c; ¼ lb. 20c; lb. 75c.

MAMMOTH TOURS. Grown chiefly for exhibition purposes and for stock feed. It grows to an enormous size, frequently weighing over one hundred pounds. Skin salmon color, flesh yellow, keeps a long time. Pkt. 5c; oz. 15c; ¼ lb [illegible] lb., $1.00.

Send Today for Our Special Catalogue

FLORICULTURAL AND HORTICULTURAL LITERATURE.

Its pages contain invaluable information and reference of interest to all engaged in the cultivation of plant life, either flower or vegetable. 96 pages, paper covers. To intending book buyers we send it without charge.

RETTIG, Ger.

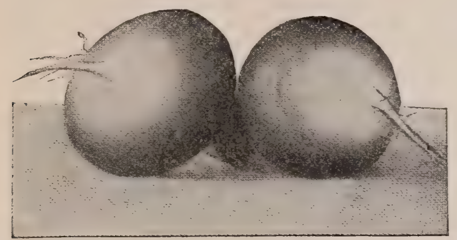
RADISH

RADIS, Fr.

1 oz. to 100 ft. of drill; 9 or 10 lbs. per acre, in drills.

For an early supply, sow in a hotbed in February, care being taken to give abundant ventilation to prevent running to leaves. For open air culture and succession, sow from middle of March until September at intervals of a week or ten days.

The growth must be rapid to insure crispness, succulence, and mildness of flavor. A fine, dry, sandy loam, enriched and made light with well-rotted manure is best adapted for the purpose, all heavy soils producing directly the opposite results from those desired.



SCARLET GLOBE RADISH

Price: **Except otherwise noted, large packets of any variety, Each, 5c; oz., 10c; ¼lb., 20c; lb., 75c.**

EXTRA EARLY SCARLET FORCING. A small-leaved variety specially adapted for forcing under glass. Globe shaped, bright scarlet in color.

EARLY SCARLET TURNIP, White Tipped, Forcing. Bright scarlet with white tip. This is a fine strain for forcing under glass.

EARLY SCARLET TURNIP, White Tipped. For outdoor culture this is a most popular Radish.

SPARKLER. An entirely distinct strain, producing beautiful radishes, the upper part red and nearly half the lower part pure white. Sells readily in market.

EARLY SCARLET TURNIP. Red skinned. Desirable for forcing or outdoor planting.

Scarlet Globe

Market Gardener's Improved Strain

Excellent for forcing under glass in the greenhouse, hotbed, or cold-frames. It makes a small top and stands a great amount of heat without becoming pithy. Sown in the open ground in early spring, it will produce radishes **five** or six days ahead of all others.

EARLY ROUND DARK RED is one of the **quickest growing** and **handsomest extra early** varieties in cultivation. Ready for use in three weeks.

ROSY GEM. Globular, with rich, deep scarlet top, blending into pure white at the bottom.

EARLY WHITE TURNIP. Roots small, round, white.

WHITE SUMMER, turnip rooted. One of the earliest of the summer varieties. Root oblong, tapering. Smooth, white and handsome.

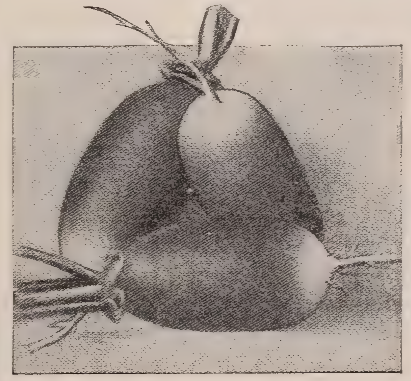
YELLOW SUMMER, turnip rooted. Can be sown late; stands heat well. Skin light yellow, flesh white.

Scarlet Conical

Highly Esteemed by Gardeners

Its brilliant scarlet color, short top, and uniform shape render this radish so attractive that it commands the highest market price. **For forcing or for sowing out=of=doors there are few better.**

NON PLUS ULTRA. Good for forcing; will mature in 18 to 20 days. Round, slightly flattened; color, bright scarlet



FRENCH BREAKFAST RADISH

Crimson Giant

Justly commended for forcing or outdoor planting.

This radish is globe-shaped with a thin, tender skin of deep crimson. Grows to a very large size without losing its crispness or becoming pithy or hollow.

Olive-Shaped Varieties

EARLIEST CARMINE OLIVE. One of the very best for forcing. The color is a rich carmine; flesh, crisp, tender and fine flavor.

ROSE, OLIVE SHAPED. Skin, scarlet; flesh, rose colored, tender, and excellent.

WHITE, OLIVE SHAPED. Clear white, crisp and mild.

FRENCH BREAKFAST. Fine for open ground or forcing. Valued for its excellent quality and fine color, which is a beautiful scarlet on the body and white at the extremity. Flesh, white, tender, and mild.

SAKURAJIMA. A mammoth round radish from Japan. Flesh pure white, with sharp, agreeable flavor. Pkt., 5c.; oz., 25c.

HALF LONG AND LONG RADISHES

HALF LONG DEEP SCARLET. Recommended for forcing; matures in about twenty days. Roots deep, rich, red color, with clear white flesh and small foliage.

LONG SCARLET SHORT TOP. The roots grow half out of the ground, are uniform in shape, smooth, and bright red in color.

WOOD'S EARLY FRAME. Earlier, shorter and thicker than Long Scarlet.

BRIGHTEST LONG SCARLET, or CARDINAL. Vivid scarlet, tipped with white. For so long a radish is very **early**, being ready for use in twenty-five days.

CINCINNATI MARKET. The scarlet-colored skin is very thin; the flesh white, crisp, and brittle, grows about seven inches long.

CHARTIER. One of the very best for outdoor sowing in summer. Roots bright crimson in upper portion, shading to white at the tip. Comes in quite early.

ICICLE. Pure white; ready in about 25 days after planting.

LONG WHITE VIENNA, or Lady Finger. Straight, smooth, white roots, fine grained.

WHITE STRASBURG. One of the best of the later sorts, of handsome oblong shape, tapering to a point. Both skin and flesh are pure white.

GIANT WHITE STUTTGART. Skin and flesh white; of vigorous growth, maturing in five weeks, although usually pulled earlier.

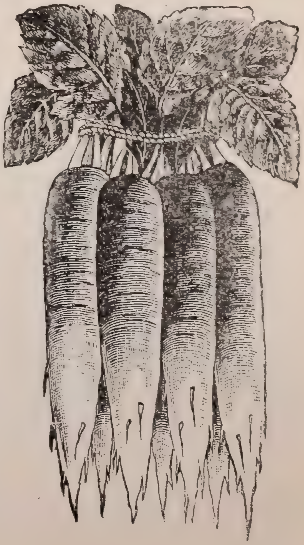
WINTER RADISHES

Sow about the same time as Winter Turnips.

CHINESE WHITE. A long, white radish. Flesh tender and crisp. Keeps well through winter.

CHINESE ROSE. Skin very smooth and of a bright rose color. Flesh firm, crisp, and pungent.

LONG BLACK SPANISH. Black skin. Flesh white, excellent flavor. One of the hardiest and finest.



CHARTIER RADISH

RHUBARB

Or Pie Plant

LINNAEUS. The earliest variety grown. Desirable for market or family garden. Pkt., 5c.; oz., 15c.; ¼ lb., 30c.; lb., $1.00.

VICTORIA. Leaf stalks, tall and large. Sometimes weighing 2 pounds each. Skin thick and red stained. Pulp quite acid. Productive and profitable for market gardeners. Pkt., 5c.; oz., 15c.; ¼ lb., 30c.; lb., $1.00.

RHUBARB ROOTS

WE supply divided roots, not seedlings. Mailing size, each, 15c.; doz., $1.50 postpaid.

SALSIFY

Or Vegetable Oyster

SOIL and culture should be the same as for parsnips, taking pains to make sowings as early as practicable each spring.

MAMMOTH SANDWICH ISLAND. A new and improved type, producing roots of nearly double the size and weight of the old variety, and of equally good quality. It has been extensively grown for the markets of many of the large cities, entirely superseding the old sort. Pkt., 5c.; oz., 15c.; ¼ lb., 40c.; lb., $1.50.

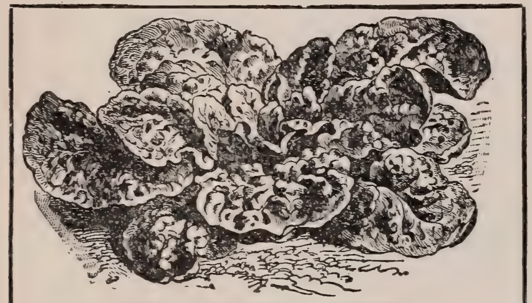
SWISS CHARD

Or Spinach Beet

ALSO called Sea Kale Beet. The middle of the leaf, or midrib, is cooked and served like asparagus. The other portions of the leaf may be used like spinach. This beet does not make a large root, but is a delicious summer vegetable when cut young and used for "greens." Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

SORREL **Large leaved French.** The best garden variety. Pale green leaves of fine quality. Pkt., 5c.; oz., 15c.; ¼ lb., 40c.; lb., $1.25.

SPINACH


LONG STANDING SPINACH.

THICK LEAVED ROUND. One of the best market sorts for spring or autumn sowing. Oz., 5c.; ¼ lb., 10c.: lb., 35c.

VICTORIA. This variety is an acquisition to the list of Spinach; it matures later but is of remarkably fine texture, of the deepest green, heavily crimped, thick, fleshy leaves, deep red stem. It is now grown extensively by the truckers of our markets. Oz., 5c.; ¼ lb., 10c.; lb., 35c.

BROAD FLANDERS. One of the most vigorous and strong growing varieties. The leaves are nearly round, uniformly deep green, thick and somewhat crimped in the center. A very desirable sort. Oz., 5c. ¼ lb., 10c.; lb., 35c.

NEW ZEALAND. This endures heat and is best for summer. Pkt., 5c.; oz., 10c.; ¼ lb. 20c.; lb., 70c.

PRICKLY WINTER. Use for fall sowing as it is extremely hardy. Seeds prickly, leaves not so large as those of other varieties. Oz., 5c.; ¼ lb., 10c.; lb., 35c.

LONG STANDING. Leaves dark green and thick. Not inclined to run to seed for a long time. Popular with market gardeners. Oz., 5c.; ¼ lb., 10c.: lb., 35c.

BLOOMSDALE or Savoy Leaved. Of upright growth; leaves curled and crimpled, thick and fleshy. Keeps well after cutting. Suitable for fall sowing. Oz., 5c.; ¼ lb., 10c.; lb.. 35c.

Write for special prices on large quantities.

SQUASHES for Summer Use

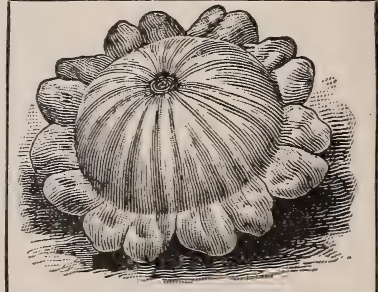
GOLDEN CUSTARD. It grows in bush form. Color, rich golden yellow. A valuable variety of superior quality. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 75c.

SILVER CUSTARD. Similar in appearance to above; not quite as large. Skin white. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 75c.

MAMMOTH WHITE BUSH. Extremely early; one of the best for summer use. Fruit white, with scalloped edges. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 75c.

MAMMOTH YELLOW BUSH. Not quite so early as white bush. Quality fully equal. Color, light yellow Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 75c.

GIANT SUMMER CROOKNECK. Twice as large as the ordinary Summer Crookneck, much more warty and several days earlier. Fruit golden yellow. Pkt., 5c.; oz., 10c.; ¼ lb. 25c.; lb., 80c.


EARLY WHITE BUSH SQUASH.

SQUASHES for Winter Use

WARTED HUBBARD SQUASH.

GOLDEN HUBBARD. Earlier than Green Hubbard; a little smaller. Color, orange red. Pkt. 5c; oz., 10c; ¼ lb., 25c; lb., 90c.

PERFECT GEM. Wonderfully prolific, fruit round, flesh cream colored; dry, sweet and rich. Pkt., 5c.; oz., 10c.: ¼ lb., 20c.; lb., 75c.

FORDHOOK. Good both for summer and winter use. Bright yellow color; thick meat. Long keeper. Pkt., 5c.; oz., 10c.; ¼ lb., 20c. lb., 75c.

ORANGE MARROW. Handsome appearance; creamy colored. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 75c.

BOSTON MARROW. Early fall sort; rich orange color, excellent flavor. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 75c.

VEGETABLE MARROW. A famous English sort; rich, white flesh. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 90c.

MAMMOTH CHILI. Grows to an enormous size, weighing sometimes nearly 200 pounds. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., $1.00.

ESSEX HYBRID. Good to follow peas or potatoes; hard shell. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., $1.00.

HUBBARD. The favorite winter squash. Color dark green; shell, extremely hard; excellent keeper. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

CHICAGO WARTED HUBBARD. An exceptionally good keeper. Has very dark green warted skin. Splendid shipper. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00.

LIEBESAPFEL, Ger.

TOMATO

TOMATE, Fr.

We make a specialty of growing superior Tomato Seed. It is all saved with the greatest care from selected fruit. In the list below we offer the best of the old varieties as well as improved varieties of recent introduction. Tomato plants supplied in season. Prices on page 32.

For early crops sow in hotbed, greenhouse, or inside the window or sitting-room, where the temperature does not fall below 65 degrees, in February or March, transplanting—to secure stockiness — when three inches high, to pots, cold frames, or other parts of the bed, and about five inches apart. After all danger of frost is over, transplant finally to open ground, four to six feet apart.

One ounce will produce 2,000 plants.

ACME. Improved Strain. Ripens early; of medium, uniform size; glossy red with purplish tinge; round and smooth, free from cracks. An excellent Tomato for market gardeners' use, as it ships well. Pkt., 5c; oz., 15c; ¼lb., 55c; lb., $2.00.

ATLANTIC PRIZE. Extra early; of good form; bright red in color. Pkt., 5c; oz., 15c; ¼lb., 55c; lb., $2.00.

IMPROVED BEAUTY. A favorite both for the home market or shipping purposes. Medium early. Fruit round, smooth, crimson, with purplish tinge. Pkt., 5c; oz., 15c; ¼lb., 55c; lb., $2.00.

Coreless A grand main crop, scarlet, globe-shaped variety. One of the best for shipping long distances. Bears its fruit in clusters, immensely productive. Pkt., 10c; oz., 30c; ¼lb., $1.00.

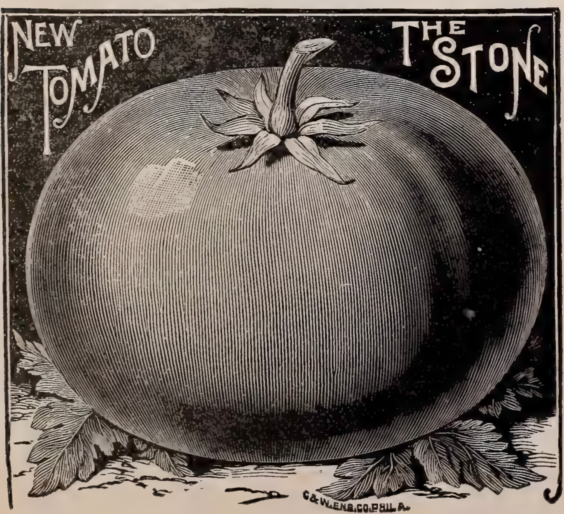
CRIMSON CUSHION. Bears continuously and late. Extremely large and smooth; solid as a beefsteak; nearly seedless. Pkt., 5c; oz., 25c; ¼lb., 75c; lb., $2.75.

DWARF ARISTOCRAT. Desirable for culture under glass and for growing outdoors for early market. Can be planted 2 x 3 feet apart. Color, glossy red. Pkt., 5c; oz., 25c; ¼lb., 75c; lb., $2.75.

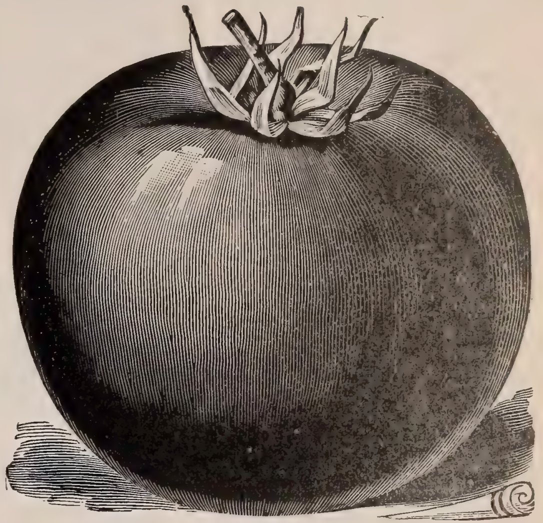
DWARF CHAMPION. Dwarf and compact in growth, the plants grow stiff and upright, with foliage unlike most others. Fruit in form and color like Acme. Recommended for the home garden. Pkt., 5c; oz., 25c; ¼lb., 75c; lb., $2.75.

Earliana You will make no error in giving Earliana a trial this season. **It is a full week ahead of all others,** handsome in appearance, of large size, dark red color and delicious flavor. **Ripens clear to the stem and does not crack.** In solidity and fine quality, equal to the best medium and late sorts. Pkt., 5c; oz., 20c; ¼lb., 75c; lb., $2.50.

Early Detroit The latest new Tomato. The vine is a better yielder and more vigorous than that of Acme. Not only are more fruits produced, but they average more nearly globe-shaped, are heavier, and are equally as firm, smooth, and suitable for shipping. The fruits are of good size throughout the season, which is unusually long for so early a variety. We are confident that this rare combination of very desirable features will soon bring Early Detroit into general prominence as the best Tomato of its class. Pkt., 10c; oz., 30c; ¼lb., $1.00.



EARLIANA Special Strain. By selecting the earliest and best-formed fruits for a succession of seasons we offer this special strain as a most desirable one for market men. It has every good quality to commend it. Pkt., 10c; oz., 75c.



BEAUTY TOMATO

GOLDEN QUEEN. A real good **yellow sort of first-rate quality.** On the table the golden yellow slices make a beautiful contrast with the red sorts. Makes splendid preserves. Pkt., 5c; oz., 20c; ¼lb., 75c; lb., $2.50.

JUNE PINK. This variety will commend itself to those who like a pink-colored fruit. Ripens early; bears for a long season. Pkt., 5c; oz., 25c; ¼lb., 75c.

Livingston's Globe A fine variety for greenhouse or for early outdoor growing. Its peach or globe shape permits a greater number of slices to be taken from each fruit than any other variety. Flesh firm with few seeds. Color, a glossy rose, tinged purple. Pkt., 5c; oz., 25c; ¼lb., 85c.

MAGNUS. As early as Acme or Beauty but thicker and heavier. Color, red with purplish tinge. Suitable for greenhouse culture as well as in the open air. Pkt., 5c; oz., 20c; ¼lb., 70c; lb., $2.50.

PERFECTION. An improved Acme, with *blood-red skin*, making it a valuable canning sort. Pkt., 5c; oz., 15c; ¼lb., 55c; lb., $2.00.

PONDEROSA. Handsome in appearance, smooth, of a dark, rich crimson color, and a delicious sub-acid flavor. Solid, almost seedless. Fruit is somewhat rough; excellent for stewing. Pkt., 5c; oz., 25c; ¼lb., 80c.

ROYAL RED. Fruit large, bright scarlet, of good quality for canning. Pkt., 5c; oz., 15c; ¼lb., 55c; lb., $2.00.

STONE. One of the extra large fruited sorts, solid and firm fleshed as its name indicates. Smooth, ripening to the stem without a crack; color, bright scarlet, fine for canning; quality the very best. It is popular everywhere; no one finds any fault with Stone. Pkt., 5c; oz., 15c; ¼lb., 55c; lb., $2.00.

TREE TOMATO. So called from growing in tree-like form and bearing large, plump, red fruit that is extremely solid, hard and of excellent quality. Pkt., 5c; oz., 25c; ¼lb., 75c; lb., $2.75.

SMALL-FRUITED TOMATOES

STRAWBERRY, or Husk Tomato. Also called ground cherry. The small yellow fruits are each enclosed in a husk and are of delicious flavor, either raw or preserved. Pkt., 5c; oz., 25c.

Yellow Plum, Red Currant, and Red Cherry. Pkt., 5c; oz., 20c; ¼lb., 60c; lb., $2.50.

WEISZE RUEBEN, Ger. TURNIP NAVET, Fr.

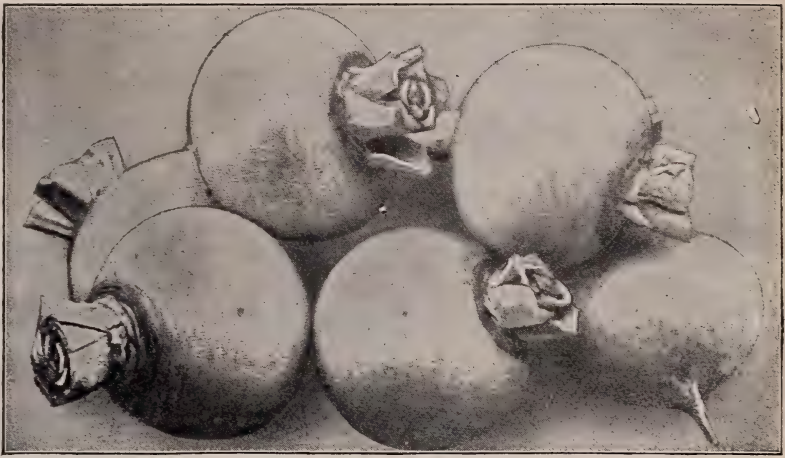
For early use, sow as soon as ground opens in spring, in drills from 12 to 15 inches apart; thin out to 6 or 9 inches in the rows. For succession, continue to sow every two weeks until June; for fall and winter crop, sow in July and August. The Ruta Bagas are grown for feeding stock, and are also excellent for the table. Take up the roots in November, or before severe frosts; cut off tops within an inch of the crown, store in cool cellar or pit, or pile in a conical form out-of-doors, in dry ground; cover carefully with long straw, and finish by earthing up with about 12 or 15 inches of earth, leaving a trench around the heap to carry off water. **One ounce of seed for 150 feet of drill; one pound for an acre.**

EXTRA EARLY PURPLE TOP MILAN. Of handsome appearance; somewhat flattened, white with purple top. Two weeks earlier than Purple Top Strap Leaf, good for spring or fall planting. Bulb forms very rapidly. Pkt., 5c. oz., 10c; ¼lb., 25c; lb., 85c.

EARLY WHITE MILAN. Similar in shape and size to the above, equally early; surface smooth and pure white; flesh white, tender, fine-grained, and of fine table quality. Pkt., 5c; oz., 10c; ¼lb., 25c; lb., 85c.

EARLY WHITE FLAT Dutch. One of the best for the family garden in spring. It grows rapidly, making a smooth, flat turnip of medium size. Oz., 5c; ¼lb., 20c; lb., 60c.

WHITE EGG. Used for spring and fall sowing. Egg-shaped, growing half out of the ground. Flesh sweet and mild. Oz., 5c; ¼lb., 20c; lb., 65c.



TURNIP, SNOWBALL OR SIX WEEKS

Purple Top Strap Leaf Good for early spring or fall use. White skin and flesh with red or purplish top. A general favorite and used in all parts of the country. More largely grown than any other turnip. Oz., 5c; ¼lb., 20c; lb., 60c.

WHITE FLAT NORFOLK. A standard sort, usually grown for feeding stock. Oz., 5c; ¼lb., 20c; lb., 60c.

SNOWBALL or SIX WEEKS. The finest white-fleshed, ball-shaped, early table turnip. Bulbs small, smooth and round, with clear white skin and sweet, crisp flesh. Oz., 5c; ¼lb., 20c; lb., 65c.

Purple Top White Globe A fine table turnip. It is an early and heavy cropper as well as a good keeper. The bulb is a very handsome globe, and is especially in demand among market gardeners. Oz., 5c; ¼lb., 20c; lb., 65c.

POMERANIAN WHITE GLOBE. A large and most perfect globe in shape, skin white and smooth. Of strong growth and one of the most productive varieties. Valuable for both table and stock. Oz., 5c; ¼lb., 20c; lb., 60c.

PURPLE-TOP YELLOW ABERDEEN. Root round and tapering. Flesh pale yellow, tender, sugary, and of superior flavor. A hardy and productive standard variety. Oz., 5c; ¼lb., 20c; lb., 60c.

RUTABAGAS

Rutabagas are among other vegetable roots grown for cattle, horses, and sheep. The animals thrive and fatten on Rutabagas, Carrots, and Mangels, which changes their diet.

AMERICAN PURPLE TOP. Deep purple above, yellow underneath; flesh yellow, solid, and sweet. Good for stock or table use. Oz., 5c; ¼lb., 20c; lb., 60c.

MONARCH. A superior variety to cultivate for cattle feeding, the flesh being nutritious. Oz., 5c; ¼lb., 20c; lb., 60c.

SKIRVING'S PURPLE TOP. Flesh yellow. Good keeper. Oz., 5c; ¼lb., 20c; lb., 60c.

WHITE SWEDE or Russian. Grows very large; excellent for table or stock, flesh firm, white, solid, has a very rich and sweet flavor. Oz., 5c; ¼lb., 20c; lb., 60c.

TOBACCO SEED

One ounce will sow a bed of fifty square yards.

The seed should be sown as early as possible after danger of frost is over. When the plants are about six inches high, transplant into rows four or five feet apart each way.

CONNECTICUT SEEDLEAF. This variety is grown in the Middle and Northern States, being comparatively hardy. Pkt., 5c; oz., 20c; ¼lb., 60c.

HAVANA. The seed offered is a superior strain of Cuban grown stock. Pkt., 10c; oz., 40c; ¼lb., $1.00.

TOMATOES : CABBAGES
CHICAGO
CELERY
PEPPERS
SWEET POTATOES

VEGETABLE PLANTS

We grow large quantities of Vegetable Plants at our nursery, and can supply all the varieties listed below in their proper season. They are well grown. Can be shipped fresh from the beds on a day's notice. **If wanted by mail, add 15c per 100 for postage on CABBAGE, CAULIFLOWER, and SWEET POTATO PLANTS, and 30c per 100 on EGG PLANTS and TOMATO PLANTS.**

While we can and frequently do ship Vegetable plants by mail, we strongly advise customers to have them sent by express. Not only can larger plants be supplied, but there is much less risk of their spoiling in transportation.

	Doz.	50	100	1,000
CABBAGE. Early, transplanted. Ready about April 15	$0.15	$0.35	$0.60	$4.25
CABBAGE. Late varieties, field-grown plants. Ready June 1st		.20	.30	2.50
CAULIFLOWER. Early, transplanted. Ready about April 15	.20	.65	1.00	7.00
CAULIFLOWER. Field-grown plants. Ready June 20		.30	.50	4.00
CELERY. Sheared back several times. Ready June and July	.15	.30	.50	4.00
SWEET POTATO. Ready middle May and June		.25	.35	2.50
TOMATO. Twice transplanted. Ready during season	.15	.60	1.00	7.00
EGG PLANT. Twice transplanted. Ready about May 15	.25	.80	1.50	
PEPPER. Twice transplanted. Ready about May 15	.25	.80	1.50	

Barnard's Selected Farm Seeds

MOST important to all who depend for their living on the products of the soil is selected seed, that not only will germinate, but be true to name. That is the kind we sell. Every seedtime the sales in this department show a large increase over the previous year. We number among our patrons some of the most well-to-do farmers in the country, several of whom annually entrust to us their entire orders for the seed grain as well as for the grass and clover seeds required for their acres. We have built up a large trade in improved varieties of oats, corn, wheat, and other grain.

There's a reason for the confidence our customers have in the seeds we supply—**Quality.** When this business was established, **Quality** was taken as the watchword. We furnish **the best** that can be had anywhere. Pedigreed seed comes higher than the ordinary, but the value to the planter of high-grade stocks is vastly greater. Our seed grain is grown and specially prepared for planting purposes. It is carefully selected by experienced seedsmen, thoroughly cleaned, and handled only by careful employees, as a safeguard against errors in filling orders.

Prices, unless stated otherwise to the contrary, include bags for shipping and delivery to depot in Chicago. Purchaser is to pay freight or express charges. The prices named are **NET, no discount,** and are based on value existing when this is written. We will maintain prices as far as possible, but they are subject to changes of the market and without notice.

We make no charge for bags, but do not pay freight charges

SEED OATS

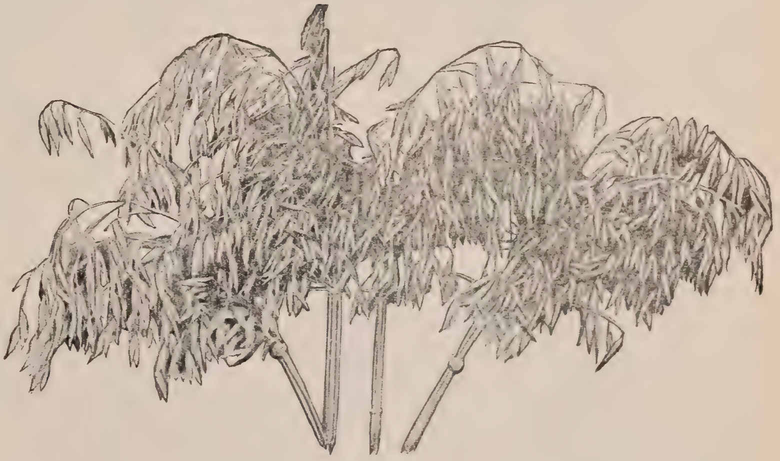
A change of stock of Seed Oats is as necessary as a change of Potatoes

THERE are many new, or so-called new, varieties of oats introduced each year. Many are old sorts renamed; others may be justly classed as humbugs. That some kinds are improvements upon others, and pure seed better than mixed, no one will deny. Those we list here are straight goods; you get just what the name and description call for.

BAVARIAN OATS

GOOD POINTS

Heavy, plump grain with large per cent of meat and small per cent of nib; stiff straw that will save the crop until harvested; head long, heavy, full.



HEADS OF BAVARIAN OATS

HISTORY: These oats were originated in Bavaria, Germany, by a seed breeder, and formed part of an agricultural exhibit of his at the World's Fair held in St. Louis. So well were we impressed with the handsome, heavy grain that we at once contracted for a large importation.

The German grown stock seed was sown on ordinary farm land adjacent to Chicago. In midseason a bountiful crop was harvested. These oats have stout, stiff straw, which thereby assures the crop standing up until harvested. When threshed, they far overrun ordinary weight. The grain being white and full, brings the highest price when marketed.

The seed we offer is our own growing. We think so well of these oats we urge farmers to give Bavarian a trial. Lb., 20c, postpaid. By freight or express, not prepaid: Pk., 30c; bu., $1.00; 10 bu. for $9.00, bags included.

Big Four Oats A western grower, known as a close observer, says of this oat: "It has the **plumpest kernel** of any variety, and is as large every way as any. It is always a **very white oat,** free from black kernels, and this year certainly it is the brightest oat that we have. Then it has **wonderfully stiff straw,** so that it stood up well in spite of one of the worst seasons for rain ever known. It is medium early, and a great yielder." Lb., 20c, postpaid. Pk., 25c; bu., 90c; 10 bu. for $8.50, bags included.

GREEN MOUNTAIN OAT

Read's Green Mountain Oats **Absolutely rust-proof.** More dependable and profitable than most of Oats. Grain weighs from 35 lbs. to 42 lbs. per bushel. Other superior points of merit are: Resists drouth best, least damaged by harvest rains; grains largest and purest white in color, adapts itself to the greatest variety of soils and climate, straw and grain of the finest and best quality, either cut green or dry, and the chaff and leaves adhere to the straw when threshed, making it the most economical and profitable to feed. From eight days to two weeks earlier than White Russian. Will stand a long time after dead ripe without damaging. A great stooler and heads fill every year, and always practically free from light, chaffy kernels.

We guarantee all the grain we sell this year under Read's name and description to come direct from him.

Prices: By express or freight, not prepaid: Pk., 75c; ½ bu., $1.25; 1 bu., $2.25; 2½ bu., $5.50; 5 bu., $10.75; 10 bu., $21.00, net.

Black Tartarian Oats They are preferred by those who have had experience with them principally on account of their superior yielding qualities, but besides being fully equal, if not better than white oats in point of feeding qualities, they possess another very valuable characteristic in the unequalled stiffness and strength of straw. Lb., 30c, postpaid. Pk., 35c; bu., $1.25, not prepaid. Special prices will be named for quantities.

Where larger lots of Seed Grain than those quoted on this and other pages are wanted, please write us for special prices.

Selected Seed Field Corn

The varieties offered by us are among the very best now in general use. Our Seed Corn is carefully selected, cured, and shelled. At these very liberal prices no one can afford to take risks with inferior seed. Special prices will be made to buyers of large quantities. Tell us how many bushels you need.

Minnesota No. 13

Extra Early Yellow Dent

The commanding points of excellence which place Minnesota No. 13 Corn at the head of all yellow dent varieties for Northern planting are: Its earliness, Its enormous productiveness, Its adaptability to a great variety of soils and climates.

To Prof. W. M. Hays, formerly agriculturist at the Minnesota State Experiment Station and now Assistant Secretary of Agriculture, Washington, D. C., is due the honor of having originated this valuable extra early yellow dent corn. Not only is it fully as early as any of the yellow dent corns, but its record of heavy yields is such as to make it as distinctly and undoubtedly the most profitable of all the yellow dent varieties.

When the supply is gone it will be impossible to fill further orders for this variety at present value. Price will be maintained on early orders. All Seed Corn quotations are subject to advance without notice.

It costs less than 40 cents an acre to use our carefully selected SEED CORN. Better get some of it this year.

MINNESOTA NO. 13. FOUR STALKS, EIGHT LARGE EARS

The stalks grow to a height of seven feet, and being leafy, make excellent and very nutritious fodder. The ears are of handsome appearance, bearing 16 to 20 rows of bright, rich yellow, smooth, wedge-shaped kernels packed closely on the cob from butt to tip. The ears average eight inches in length, and are borne usually two on a stalk. No corn excels in quality the Minnesota No. 13; the cobs are well filled and the individual kernels plump and of good color. Minnesota No. 13 thoroughly matures in ninety days when planted on favorable soil and in a good location, but ninety-five to one hundred days places it out of danger under average conditions. Minnesota No. 13 will thrive and produce abundantly on most any soil, and will do remarkably well under adverse conditions when other varieties would fail entirely.

Pride of the North

16-Rowed. Matures in 90 days

Ears 8 to 10 inches in length and 1¼ inches in diameter. Kernels closely set, above medium size, long, narrow, thin, of deep orange color, shading to pale yellow at the tip. Cob very small and red. In a test, 70 pounds of ears, not selected and but imperfectly dried, produced 60¼ pounds of shelled corn and only 9¼ pounds of cobs, instead of 14 pounds, the usual proportion. Stalks about medium height—6 to 8 feet.

White Cap Yellow Dent

16 to 18-Rowed. Matures in 90 to 100 days

For poor, thin land this is the Seed Corn to plant for good crops. It is a strong grower (6 to 7 feet high), resists heat and drouth wonderfully, yielding good large ears on small cobs. The outer end of the grain is white, deeply dented. The inside is yellow. The fodder is abundant and of superior quality, as it remains green after the grain is matured. Many of our Illinois and Wisconsin customers who have tried this think it is the best variety for their sections.

TO AVOID DELAY, when ordering late, mention your second choice, should we be sold out of the variety ordered.

SEED FIELD CORN—Continued

REID'S YELLOW DENT

The ear is of excellent shape, nearly cylindrical, tapering gradually to tip, length about 10 inches, kernels firm on cob, 18 to 24 rows, with narrow space between rows, color medium yellow with red cob. The ear is quite solid and rather smooth; matures in about 105 days, and yields well.

IOWA GOLD MINE

This variety has everywhere received the most cordial endorsement as one of the best and most profitable varieties. It is early, ripening in about 100 days, ears of good size, color a bright golden yellow; grain is very deep, cob small, and therefore dries out very quickly as soon as ripe. Seventy pounds of ear corn will make about sixty pounds of shelled corn; and in hauling to market it weighs out considerable more to the wagon load than common varieties.

LONGFELLOW

The Favorite with Dairymen

The most popular of all flint varieties. It is a beautiful eight-rowed yellow flint, with slender, straight ears, 10 to 15 inches long. Kernels are large and wide, and cob very small. Ripens in 75 to 85 days, and very prolific. Well adapted to the northern states and largely grown in northern Wisconsin and Minnesota.

Manual of Corn Judging

By A. D. Shamel. The advanced methods of corn judging and all the available information on this subject are incorporated in this work. It is especially helpful to farmers interested in improvement of corn, for corn schools, farmers' institutes, etc. Profusely illustrated with photographs of ears of the leading varieties of corn, desirable ears contrasted to undesirable, and kernels. In addition the score cards used in the corn states are given. **Postpaid, 50c.**

IMPROVED LEAMING

A medium early, yellow dent, ripening in about 100 days. Having large, broad leaves, it is a good sort to grow for ensilage. It has been tested and proved satisfactory in nearly all the corn-producing states. A heavy yielder and rich in the qualities which make it valuable to stock feeders. We offer some very choice seed of the improved strain.

WE wish to impress upon buyers the advisability of ordering Seed Corn **early;** also state second choice. In past seasons we have been obliged to return money, the demand far exceeding what was deemed an ample supply.

WHITE FIELD CORN

IOWA SILVER MINE

Matures in about 100 days in the Illinois corn belt, say south of Chicago. The stalks grow to a height of 7 or 8 feet and set the ears about 3½ to 4 feet from the ground. The ears measure from 10 to 12 inches in length, and often weigh 1½ pounds. They are uniform in size and shape, with 16 to 20 straight rows of deep, pure-white kernels on a very small cob. *It is the heaviest yielder* we know, having produced *over 200 bushels to the acre.*

CHAMPION WHITE PEARL

A pure-white early corn, maturing in 90 to 100 days. Very prolific; the grain is long and wide, two of which will span the cob. The cobs are unusually small for the size of the corn, and are almost all white. The ears are medium-sized, 16-rowed, and can be planted much thicker than a large corn and yet bear full-sized ears. Makes splendid meal, and is very largely grown for that purpose throughout the Middle States.

WISCONSIN WHITE DENT. A standard early variety. It is 16 to 20 rowed, deep grained, medium-sized ear, with a small cob. In sections of Wisconsin where other varieties of corn were almost failures this handsome White Dent matured good crops in a very backward season.

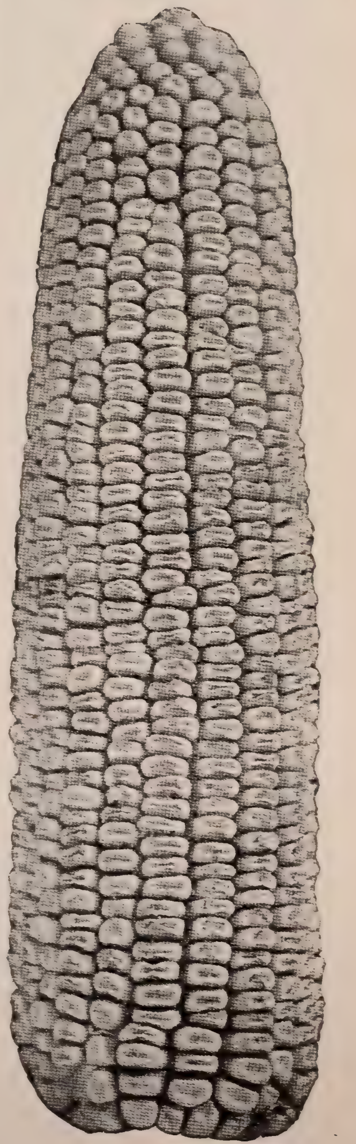
SANFORD. A well-known white flint corn. Medium-sized ear, averaging about 10 inches long. Handsome, large, and well-filled grains.

MONARCH. Pure white dent, large ears, deep grains, small white cob. Most wonderful yielder. This corn is nearly as early as Extra Early Adams, and makes the very finest roasting ears, and is ready for the table before any other variety.

RED COB FODDER OR ENSILAGE CORN. This is one of the best fodder corns, either to feed green right from the field, to put up for the silo, or to cure and stack away. It is pure white corn, cropping as high as 45 tons of fodder per acre. It is sweet, tender, and juicy; has short joints and therefore abundance of leaves, and grows to a fair height, but not too tall.

SEED CORN PRICES FOR THE PRESENT SEASON

	Postpaid		Not Prepaid	
	PKT.	QT.	PK.	BU.
Minnesota No. 13, extra early	$0 10	$0 25	$0 60	$2 00
Reid's Yellow Dent	10	25	50	1 50
Pride of the North, yellow dent	10	25	50	1 75
Iowa Gold Mine, yellow dent	10	25	50	1 50
White Cap Yellow Dent, early	10	25	50	1 50
Leaming; the old favorite for grain and fodder	10	25	50	1 50
Iowa Silver Mine, a prize winner	10	25	50	1 50
Champion White Pearl	10	25	50	1 50
Wisconsin White Dent	10	25	50	1 50
Sanford White Flint	10	25	50	1 75
Monarch White Dent	10	25	50	1 50
Longfellow, yellow flint	10	25	50	1 75
Red Cob Fodder or Ensilage	10	20	40	1 25



SEED BARLEY

48 lbs. to bushel. Sow 50 to 90 lbs. to the acre

This crop is receiving more attention in some parts of the country than formerly. It has proved of **inestimable value to every one who feeds stock,** either alone or mixed with other feed. It also brings a fair price in market.

Read's Vermont Beardless

is a strictly new barley with hulls on. Widely tested and distinctly superior. After eleven years of selection is now thoroughly fixed. Straw stands high; free from smut or blight. Heads six-rowed, large, and long; kernels plump and heavy. An enormous yielder. As easy to handle as oats and much more profitable. Has strong and deep root formation, thus it reaches more available plant food and moisture than any other known sort and rendering it the greatest drouth-resister, most marvelous in health and stooling qualities, and unapproached in its powers to stand up perfect besides giving it many other important advantages not here mentioned. In malting qualities it has no equal in its class. Threshes easier than other beardless barleys, yet it does not shatter in the field or during harvesting.

Prices: By express or freight, not prepaid: Lb., 30c; ½ pk., 75c; pk., $1.10; ½ bu., $1.75; 1 bu., $3.00; 2½ bu., $7.30; 5 bu., $14.25; 10 bu., $28.00, net.

Read's Triumph

is the result of a scientific cross made by G. A. Read in 1897 between the two-rowed Highland Chief and the six-rowed Manshury, to produce a distinct six-rowed variety with stronger straw and heads as long, but thicker and better filled than Manshury. Its points of superiority are: Strongest straw; stands up best; crinkles least; rapid grower, arrests weeds; enormous stooler; best for grain mixtures; resists drouth best; never affected by disease; largest heads; grain colors less and weighs 48 to 52 pounds per bushel; grand malting variety; soft, silky beards; safer to feed; easier to handle.

We guarantee all of the grain we sell this year under Read's name and description to come direct from him.

Prices: By express or freight, not prepaid: 1 pk., 75c; ½bu., $1.25; 1 bu., $2.25; 2½ bu., $5.50; 10 bu., $21.00.

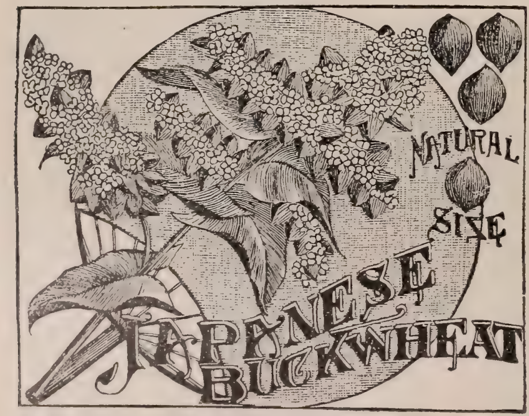
White Hulless

A Great Novelty in Barley. Plump, heavy kernels, which, when threshed, are **hulless like wheat kernels.** Early, prolific, well-filled heads. Straw is fine for feeding. No beards. As fattening feed for hogs it has no equal. 20 hogs made a gain of 106 pounds to the hog in five weeks. The best way to feed it is to grind it and feed it dry. Prices: Lb., 20c; postpaid; pk., 50c, not prepaid. Write for price in large quantity.

MANSHURY. A well-known six-rowed barley. Ripening early, the long heads are well filled out with **heavy grain.** Has strong, upright straw, therefore easy to harvest. Yields bountifully. Lb., 15c, postpaid. Pk., 40c, not prepaid. Write for price in larger quantities.

Cahoon Seed Sower

Sows all kinds of grain, clover seeds, etc., rapidly and evenly. A person entirely unused to seeding can, by following the simple directions sent with the machine, sow from four to six acres an hour at a common walking gait. It sows uniformly and saves four-fifths in labor by its use. Every farmer should have one of these sowers. Price, $3.00.



READ'S BEARDLESS BARLEY

Evergreen Broom Corn

Wherever the location is suitable for growing Broom Corn farmers find it a paying crop, the demand for Broom Corn brush exceeding the supply. This evergreen variety grows about 8 to 10 feet high, stands up well, and is entirely free from crooked brush. The fiber is long and fine. It will not get red in the field before it is cut, but is strictly a green variety of brush. Lb., 20c, postpaid; pk., 60c, not prepaid.

Buckwheat

Sow 3 pecks to 1 bushel to the acre.

Buckwheat is not considered exhaustive to the soil. As a smothering crop, where the land contains objectionable weeds, it is very desirable, and it puts the soil in admirable condition for any crop that is desired to succeed it.

It can be sown so late as to prove a profitable second crop to follow early peas, potatoes, etc. Good pasturage for bees.

JAPANESE. It proves to be two weeks earlier than Silver Hull, both being planted at the same time. Kernels are peculiar and distinct. Makes a superior grade of flour. Lb., 15c, postpaid; pk., 50c, not prepaid.

SILVER HULL. Grain silver-gray in color. Rounder than common buckwheat, is earlier, has thinner husk, and yields more. Lb., 15c, postpaid; pk., 50c, not prepaid.

COMMON BUCKWHEAT. Selected Seed. Lb., 15c, postpaid; pk., 40c, not prepaid.

Write for prices in larger quantities than here named.

Seed Flax

Price subject to market changes.

Flax should be sown late enough in the spring to avoid frost, but as early as it is possible to do so, in order to secure the early spring rains. When grown for the fiber, about one bushel should be sown to the acre; but if for seed alone, usually one-half bushel is sufficient. Lb., 20c, postpaid; pk., 80c, not prepaid.

Write for prices in larger quantity.

SEED RYE

Sow at the rate of two bushels to the acre. SPRING RYE. This is quite different from the winter rye, and is highly valued wherever known. It is not only more productive, but the grain is of finer quality and it can be successfully grown in any latitude. The straw is of special value as it stands six or eight feet high, being better than that of winter rye and producing nearly four times as much straw as oats. Produces 30 to 40 bushels of grain to the acre. As it does not stool like winter rye, not less than two bushels to the acre should be sown. There is always a demand for first quality rye straw, and the price is nearly always remunerative. The double crop of straw and grain make it one of the most profitable of farm crops. Lb. 20c, postpaid. Pk., 40c, not prepaid. Write for prices in larger quantities. When asking for price, please name quantity desired.

SPRING WHEAT

Sow from 1¼ to 1¾ bushels per acre. Write us for Prices on large quantities of Spring Wheat. VELVET CHAFF. A distinct variety, having white, velvet-like chaff; heads beardless. The stem, just below the head, when green, has a beautiful blue bloom, which disappears as the wheat ripens, both wheat and straw assuming a bright golden tint. The kernel is of the hard variety, similar to the Scotch Fife, but is far more productive and one of the best Spring Wheats for milling. Lb., 20c, postpaid. Pk., 50c, not prepaid.

SASKATCHEWAN. Has all general characteristics of Scotch Fife, from which it descended, by careful selections. It excels in earliness, hardiness, productiveness, and freedom from smut and all disease. It is highly indorsed by leading wheat growers. Lb., 20c, postpaid; pk., 50c.

WINTER WHEAT

In due season for fall sowing we shall be able to supply the leading varieties of Winter Wheat. When ready to buy, tell us kinds and quantity you require and we will name ruling price at that time.

Unless stated to the contrary, we make no charge for bags. Transit charges are always to be borne by the purchaser.

FIELD OF READ'S RELIABLE WHEAT.

Read's Reliable Spring Wheat

Vigorous grower. Stools out heavily; makes tall, strong, healthy stalks of good height, with broad leaves. **A single kernel of this wheat produced 1,263 plump grains.** Kernels large, of a dark amber color; flinty. Ripens early and uniformly. Owing to the grain being firmly held by chaff, birds find difficulty to eat the kernels. Shows no tendency to rust and is free from attacks of fungus. **We guarantee all the grain we sell this year under Read's name and description to come direct from him.**

Prices, by express or freight, not prepaid: Lb., 30c; ½pk., 70c; pk., $1.15; ½bu., $1.70; bu., $3.10; 2½ bu., $7.60; 5 bu., $15.00; 10 bu., $29.00, net.

MILLET

Write for prices when ready to buy; subject to market changes.

COMMON MILLET. Very early; grows 3 to 4 ft. high; foliage broad. Sow 1 bushel or 50 lbs. to the acre.

GERMAN or GOLDEN. Matures about two weeks later than Common Millet. It grows much taller and produces larger crops. 50 lbs. to bushel; one bushel to the acre.

HUNGARIAN. One of the very best plants for green fodder, or for ensilaging; makes hay of the best quality, and yields immense crops. Sow broadcast about one bushel of seed per acre, at any time from the middle of June till the first of August. (48 lbs. per bushel.)

PEARL MILLET. Sow in light, sandy soil, well manured. If cut when small, for feeding green, it produces a second crop; is one of the best fodder crops in the South.

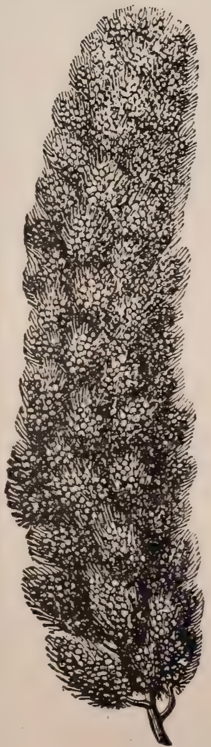
Sorghum, Early Amber

Considered the best variety for either fodder, grain or syrup. Lb., 15c, postpaid; 10 lbs. for 50c, not prepaid.

Sunflower, Mammoth Russian

The best variety for the farmer. Growing to double the size of the common, and the yield of seed is **twice as great.** One hundred and twenty-five bushels to the acre have been grown at a less expense than corn. The seed is much relished by poultry and horses. Oz., 5c; lb., 20c, postpaid. 10 lbs., 60c, not prepaid.

Should our prices on any item seem high, intending buyers are invited to write us, and we will be pleased to quote lowest prices.



MILLET

VETCHES or TARES

SPRING TARES (*Vicia Sativa*). Sown broadcast at the rate of 100 lbs. to the acre. It is used in the British Isles and Canada as a forage plant. Can be raised at trifling expense. Pkt., 5c; lb., 20c, postpaid. 10 lbs. for 75c; 25 lbs. for $1.50.

SAND VETCH. This, sometimes called Hairy Vetch, may be sown in spring or fall, preferably with Rye. Thrives on poor land; is a soil improver, being rich in nitrogen. Remains green all winter. Sow 100 lbs. to the acre. Pkt., 10c; lb., 25c, postpaid; 10 lbs., $1.25; 25 lbs., $2.75. Write for price in larger quantities.

WILD RICE (Zizania Aquatica)

This plant thrives on the borders of lakes and ponds. Wherever it grows, wild ducks and geese discover it. The seed may be planted at any time when the water is free from ice. To insure germination the seed is kept in water in cold storage until required. We ship in lots of not less than 25 lbs. by express only. Packed in damp moss, so as to reach purchaser in good condition. 25 lbs. for $7.50. Write for price on larger quantities.

NOTE. Don't hesitate to write us if there is anything at all that you need for your farm or garden. We can procure for you almost anything that is listed by others, so that it is not necessary for you to go elsewhere just because you do not find the particular article listed in this catalogue. State your needs by letter and we shall endeavor to serve you.

Forage and Fodder Plants.

Just as the human appetite craves a change in the daily rations, so does the farm stock enjoy with relish a change in their food the result being an improved appetite and increase in growth. The forage plants offered on this page have all been tried and proven good. They are excellent either as green or dry feed.

Non-Saccharine Sorghums.

Their cultivation is as simple as that of corn. They will grow on any land where corn will, even on land too poor for corn. All these varieties endure dry weather well.

Jerusalem Corn. A sure cropper even in dry seasons. It grows about five ft. high; makes one large head on main stalk and several smaller heads on side shoots. The grains are white, flat, and much relished by chickens. Three pounds will plant an acre. Post paid lb. 20c; by freight or express, not prepaid. 10 lbs., $1.00; 50 lbs., $3.50; 100 lbs., $6.

Milo Maize. Will make a crop where corn would fail. Stalks reach eight to ten feet in height and yield a large amount of fodder. Produces large heavy heads of grain. Plant in three foot rows, leaving one or two plants every twelve inches in the row, and cultivate as corn. Three to five pounds per acre. Postpaid, lb. 20c. by freight or express, not prepaid. 10 lbs., 75c; 50 lbs., $3.00; 100 lbs., $5.50.

Prices of all articles quoted on this page are subject to change. The pound prices include postage; bushel and 100 pound prices are by freight or express at purchaser's expense.

FORAGE CROPS OTHER THAN GRASSES.

How to Cultivate, Harvest and Use Them. By Thomas Shaw. Illustrated. 287 pages. Cloth, 12mo. $1.00, postpaid. Intensely practical. Each chapter is a comprehensive treatise, alone worth the price of the book.

KAFFIR CORN. The Great Dry Weather Corn.

Red or White Seeded.

This Non Saccharine Cane is one of the best of forage plants. It is the greatest grain producer of the Cane family, and is greedily eaten by all domestic animals, whether fed in the grain or ground and cooked. Valuable as a substitute for Buckwheat flour. For grain sow at the rate of 5 to 7 pounds per acre and cultivate same as corn; average yield 50 bushels per acre. For hay, sow in drills or broadcast at the rate of 50 to 75 lbs. per acre, and cut when seed is coming to dough stage; makes a very valuable hay, of good quality, and will yield from 3 to 10 tons per acre. Try a few acres and surprise your herd with plenty of feed. Postage paid, lb., 20c: by freight or express not prepaid, 10 lbs. for 40c; 25 lbs. for 75c; 100 lbs., $2.00; bags included.

CANADA FIELD PEAS.

Grown with Oats makes a fodder or hay which doubles the production of Milk.

They should be sown in March or early April, two bushels of peas and two bushels of oats to the acre. The peas should be sown first and plowed under about 4 inches deep; the oats then sowed and harrowed in. They will be ready for cutting about the latter end of June when the oats are in milk and the pods formed on the peas. Prices variable, but always as low as the market will permit. Peck, 50c; bu., $1.75.

COW PEAS.

Equal to Clover as a Soil Fertilizer.

Green crops plowed under are one of the cheapest methods of enriching the soil. Cow Peas are invaluable for the purpose **as well as providing a large amount of fodder.** They should be sown in May or June at the rate of 1½ bu. to the acre. The pods may be removed, dried, and the grain ground, and the plants plowed under. The stalks and leaves fed green make excellent fodder. Pint, 20c; qt., 35c, prepaid; pk., 85c; bu., $2.75, not prepaid.

DWARF ESSEX RAPE.

Best and Most Fattening Sheep Forage Known.

This forage is also used for pigs and dairy cows with success and profit. Under favorable circumstances it is ready for pasturage **in six weeks from the time of sowing.** One acre of good rape will carry a flock of a dozen sheep for two months. Rape requires the same cultural treatment as the turnip. **It is grown exclusively for its leaves.** Stock should be fed alternately on grass and rape; not on rape exclusively. Rape-fed animals should have free access to salt. The seed should be sown in May, for midsummer pasturage; or any time before the end of August (at the North) for autumn pasturage. Rape is a plant which loves cool weather, and thrives better in autumn than in midsummer. The seed should be used at the rate of 3 pounds per acre in drills, or 5 to 10 pounds per acre broadcast. Lb., 20c, postpaid. By express or freight, not prepaid, 10 lbs., $1.00; 25 lbs., $2.00; 100 lbs., $6.00; bags included. Write for price in larger quantities.

Turnips and Carrots for Stock. We at all times carry ample stocks of these seeds. Pages 12 and 32.

Prices herein quoted are all subject to changes of the market.

Prices on Grass and Clover Seeds change very frequently, so that we are unable to quote prices that are absolute. We handle Clover Seed on close margin and supply the **best grades only.**

RECLEANED CLOVERS

60 lbs. to bushel

All quotations on clover seeds subject to market changes. Special quotations will be given at any time.

If wanted by mail add 8c. per lb. for postage. Two bu. bags to hold seed 22c. each.

MEDIUM RED, or JUNE (*Trifolium Medium*)

The common Clover in general cultivation; grows 2 to 3 feet high, and is the best for hay. Makes excellent pasturage when sown with Grasses, and is one of the best fodders for milch cows and sheep. When used alone, sow about eight pounds of seed per acre.

MAMMOTH, or LARGE RED

(Pea Vine, Trifolium Pratense).

Grows 4 to 6 feet high. The variety best adapted to plowing under as a green manure, on account of the enormous mass of tops and roots which it produces. It makes an excellent hog pasture. Sow 8 pounds per acre.

WHITE (*Trifolium Repens*)

Low, with creeping stems. It is the best of the Clovers for permanent pasturage, but prefers moist land. Mixed with Blue Grass or Perennial Rye Grass, or Taller Oat Grass, it makes a permanent pasture of great grazing value. Stems fine and palatable, bearing numerous leaves of bright green color blotched with white. Sow 6 pounds per acre when used alone, or 3 pounds with Grass seed.

CRIMSON CLOVER

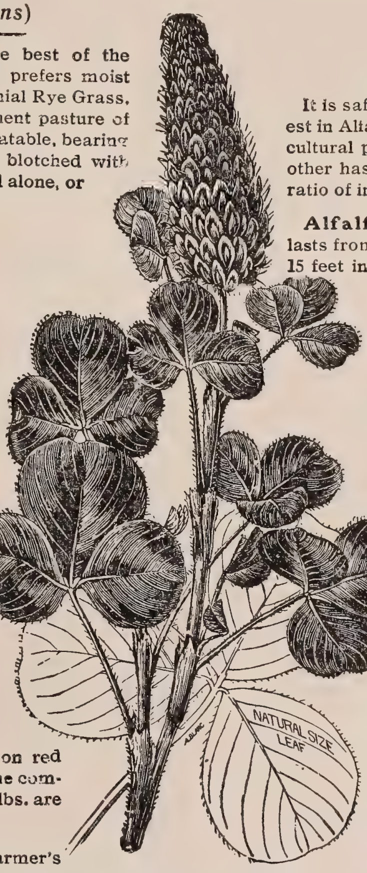
(Trifolium Incarnatum)

This is an annual clover for fall sowing only, and when ripe to cut for hay or seed, it never starts again. It can be sown in August, September or early in October. It can be sown in orchards, in fields of growing crops, or in open ground after some other crop has been harvested. It germinates quickly, grows late in the fall and during warm spells in the winter, when red clover will not think of starting. Makes remarkably rapid growth in Spring and by the first week in May it stands two or three feet high and is in full bloom, ready to turn under as green manure in time for almost any Spring crop. It succeeds on nearly every kind of soil, standing northern winter and southern summer It can be cut for hay, and for this purpose grows as easily as common red clover. It thrives on land so poor that the common clover would do but little. 10 to 15 lbs. are required to the acre.

RED CLOVER SEED, (Being Farmer's Bulletin No 123 of Dept. of Agriculture), can be had by writing Sec'y of Agriculture, Washington, D. C.

ALSIKE, or SWEDISH (*Trifolium Hybridum*)

Hardy; resists extremes of drought and wet, yields large crops of superior pasturage, and much liked by cattle. It is well suited to sowing on lands liable to wash, as its long fibrous roots spread over a wide area, and so interlace and hold the soil as to resist the heaviest rains. Can be planted on any kind of soil. Blossom heads round, resembling White Clover in shape, flesh colored, sweet and fragrant; much liked by bees. Sow 6 pounds per acre in spring or fall.



SCARLET CLOVER

ALFALFA or LUCERNE

Drought Resisting Clover

It is safe to say that in America the increase of interest in Alfalfa has been equaled by that in no other agricultural product during the past ten years, and of no other has there within the same period been such a ratio of increase in acreage.

Alfalfa, or Lucerne Clover, is perennial and lasts from 8 to 10 years; the roots penetrate from 10 to 15 feet into the ground. For a permanent meadow it does best on alluvial soil. Sandy loam with a porous underground, so the water passes off readily, is preferable. *Hard pan and wet underground is fatal to the plant.* As a hay crop it has no equal, and the feeding value of number one Alfalfa is equal to bran at $17 00 per ton. It should be sown in the latitude of central Illinois from the 15th. of August to 10th. of September. Plow the ground some time previous, making a fine but not too deep seed-bed. Sow from 20 to 25 lbs. per acre and run the smoothing harrow over once or twice.

In spring it may be sown in April after severe frost is past, but in doing so you will have weeds to contend with, which may smother the young plants. In this case mow the weeds when they are 6 to 8 inches high and not remove them, but let them lie on the ground. A thick stand is desirable, otherwise hay will be too coarse. Cure the Alfalfa hay as you would Red Clover and save all the leaves if possible. It may be cut three times during the season. Foregoing is compiled from "**Farmers Cyclopedia of Agriculture.**" See Books, last page.

. . ALFALFA . .

A remarkable new book. Practical information on its production, qualities, worth, and uses, especially in the United States and Canada, The author covers his subject thoroughly, and no farmer interested in this great forage plant can afford to be without a copy.

By **F. D. COBURN, Secy. Kans. Dept. of Ag.**

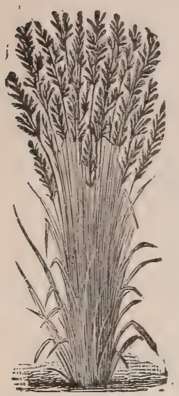
160 pp. Illustrated. 50c. postpaid.

PRICES IN SMALL LOTS; NOT PREPAID

Medium Red or June	lb. $0.25	White Dutch	lb. $0.35
Mammoth Red	.25	Alfalfa or Lucerne	.25
Alsike or Swedish	.25	Crimson or Scarlet	.15

GRASSES and How to Grow Them By Thomas Shaw. Illustrated, 453 pages. Cloth, $1.50, postpaid. A fitting companion book to "Clovers," by the same author.

To above prices add 8c per lb. if wanted by mail or express prepaid.


SHEEP'S FESCUE

Recleaned Grass Seeds

The prices quoted are subject to market fluctuations. Customers when in need of large quantities, send list of wants for lowest market price.

WE would call especial attention to this greatly superior grade of Seeds. By special machinery it is made absolutely free from chaff and almost if not entirely every weed seed is eliminated. The very slightly increased cost over the ordinary grass and clover seed is trifling, while every pound is actually worth two or three times as much as the grades usually sold.

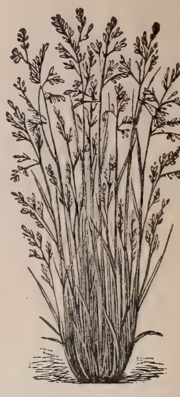
Clovers

And How to Grow Them

By THOMAS SHAW

Professor of Animal Husbandry at the University of Minnesota.

337 pp. Illustrated. $1.00, postpaid.


MEADOW FESCUE

Owing to the varying bulk of grass seeds from season to season, due to climatic conditions and improved methods of cleaning, they are always put up by weight, and not by measure, thereby securing to our customers the amount they pay for, as prices are based on weight, not bulk. (The number of pounds to the bushel is the old way of offering grasses, and is mentioned when at all merely for reference. The prices are values at time this catalogue went to press—in January.

Awnless Brome Grass (*Bromus inermis*). Will stand long droughts and produce heavy crops in dry sections where other grasses would perish. It has also proved one of the hardiest grasses. Will succeed in a wider range of temperature than any other grass. Sow 35 to 40 lbs. to the acre,

Creeping Bent Grass (*Agrostis Stolonifera*). This variety is peculiarly useful for moist places which are occasionally overflowed, but where water does not stagnate. Also valuable for lawns. Sow 20 lbs. to acre.

Crested Dogstail (*Cynosurus Cristatus*). On dry, hard soils and hills it is valuable for its hardiness. Useful for lawn mixtures. Sow 25 lbs. to the acre.

Hard Fescue (*Festuca Duriuscula*). A dwarf grass desirable for dry localities where many other grasses would fail. Sow 30 lbs. to the acre.

Italian Rye Grass (*Lolium Italicum*). Yields an early and abundant harvest on any good common soil. Especially recommended for pasture mixtures. Also adapted for moist situations.

Kentucky Blue Grass (*June Grass; Poa Pratensis*). Valuable pasture grass and for lawns when mixed with other grasses. It grows well in rather a dry soil. Flowers in June. Sow about 28 lbs. to the acre early in the spring or during October or November.

Meadow Fescue (*English Blue Grass; Festuca Pratensis*). An excellent pasture grass, early, nutritious, and thrives well on all good soils, The long tender leaves are much relished by cattle. It makes a very good quality of hay. Flowers in June and July. Sow 40 lbs. to the acre.

Meadow Foxtail (*Alopecuris Pratensis*). One of the finest varieties for permanent pastures, grows rapidly after the cropping of sheep and cattle. It grows well on all soils except the dryest sands and gravels, but thrives best on a rich, moist, strong soil. Flowers in May Sow 25 lbs. to the acre.

Orchard Grass (*Cocksfoot; Dactylis Glomerata*). One of the most widely known of pasture grasses. Its properties are earliness, rapid growth, and power to resist drought. Will endure some shade. If cut when in flower, it makes first rate hay; ripe, it makes poor hay. Flowers about the same time as Red Clover. Sow 24 lbs. to the acre.

Perennial Rye Grass (*Lolium Perenne*). Nutritious and valuable; in most places not excelled by Blue Grass for pasture. It thrives on almost all cultivated soils; starts early and grows all summer. Flowers in June. 24 lbs. to the bushel. Sow 60 lbs. to the acre.

Perennial Sweet Vernal (*Anthoxanthum Odoratum*). Useful as a mixture with other grasses on account of its early growth. It emits an agreeable odor when cut for hay. Sow 10 lbs. to the acre with other grasses.

Red Top (*Agrostis Vulgaris*). Thrives best on low lands, where it cuts a good crop of rather light hay of fair quality. Suitable for low pastures. Sow 2 bu. per acre; 14 lbs. to bu.

Rough Stalked Meadow Grass (*Poa Trivalis*). Succeeds well in moist and sheltered situations, where it produces a constant and abundant supply of nutritive cattle food. Sow 20 lbs. to the acre.

Tall Fescue (*Festuca Elatior*). Produces large crops on strong, heavy land. Grows naturally in shady woods, roots deeply, and stands dry weather remarkably well. Sow 40 lbs. to the acre.

Tall Meadow Oat Grass (*Avena Elatior*). It produces an abundance of foliage and is valuable for pasture, starts early, flowers early and roots deeply. Sow 50 lbs. to the acre.

Timothy (*Herd's Grass; Phleum Pratense*). It makes good hay, even if cut a few days after flowering, but will never bear close feeding to horses or sheep. 45 lbs. to the bushel. Sow 12 lbs. to the acre.

Wood Meadow Grass (*Poa Memoralis*). The best variety for sowing in orchards under trees. Sow 30 lbs. to the acre.

GRASS SEED (not prepaid)	lb.	100 lbs	GRASS SEED (not prepaid)	lb.	100 lbs.
Awnless Brome Grass	$0 20	$15 00	Orchard Grass	$0 25	$17 00
Creeping Bent Grass	30	20 00	Perennial Rye Grass	15	7 00
Crested Dogstail	35	25 00	Perennial Sweet Vernal	45	40 00
Grass Seed Mixture for Lawns	25	20 00	Red Top, fancy	25	18 00
Hard Fescue	20	16 00	Rough-Stalked Meadow Grass	30	20 00
Italian Rye Grass	15	7 00	TIMOTHY	15	market
Kentucky Blue Grass	35	25 00	Tall Fescue	35	$25 00
Meadow Fescue	25	18 00	Tall Meadow Oat Grass	25	18 00
Meadow Foxtail	35	25 00	Wood Meadow Grass	55	50 00

Add 10 cents per pound extra if sent by mail. For two-bushel bags remit 18c each.

Special Grass and Clover Seed Mixtures

FOR MEADOWS AND PERMANENT PASTURES.

For every different kind and condition of soil there is a large number of grasses, either indigenous or introduced, which are especially suitable. Some sorts do best on high ground and in dry weather, others prefer plenty of moisture. Some mature so early, and others so late, that from the beginning of spring until winter sets in, there is no time when one species or another is not at its best. Care should be used, both in meadows and permanent pastures, never to cut or graze the grass too closely.

GRASSES
..AND..
FORAGE PLANTS

By Chas. L. Flint

Describes varieties and gives information how to successfully manage grass lands.

Price, $2.00.

The importance to the farmer of a good selection and proper mixture of Grass Seeds for mowing, permanent pasture, or other purposes, cannot be over-estimated. Our Grass and Clover Seeds have been sown season after season with great profit and satisfaction to thousands of our customers. Steadily increasing sales testify not only to their trustworthiness, but to the general satisfaction they give everywhere.

The Grass Seed Mixture is supplied as desired, mixed for mowing or permanent pastures. Price per bushel (14 pounds), $2.50. Not prepaid.

Clover Mixture of the best varieties and highest quality should be sown with above at the rate of 10 pounds to the acre. Price, 10 pounds for $2.00. Not prepaid. In larger quantities write for special quotations.

We Furnish the Grass and Clover Seeds Separately,

as the Clovers have greater weight. Clover should be sown separately, and it is recommended to sow only in the spring.

THE AMOUNT OF SEED

to be sown upon an acre is not always quoted alike. Good authorities give the average as 35 to 40 lbs. to the acre. As a rule the poorer the land the more seed should be sown upon it.

FORMULAS FOR MIXTURES FOR MEADOWS FOR ONE ACRE, AND PRICE

ALL AUTHORITIES agree that for **Pasture** and **Hay,** best results are obtained from the use of grass seeds **in species.** The reasons are obvious. First—**A number of species** will insure a **much denser growth** than the same kind of seeds of one or two species, and prove **less exhausting** to the soil, since they live to a large extent on the same constituents. Second—Seasons that affect some grasses adversely are **favorable** to other sorts, so that with a mixture failure is **practically impossible,** provided, of course, the seed is good. We take great pains in selecting grass seeds in order to secure the **highest germination,** and mixtures are based on a full appreciation of the requirements of the different soils for which they are intended.

No. 1. On Good Land, neither Too Dry nor Too Wet.

3	lbs.	Red Top.
1	"	Meadow Foxtail.
½	"	Perennial Sweet Vernal.
2	"	Tall Meadow Oat Grass.
3	"	Orchard Grass.
2	"	Hard Fescue.
2	"	Sheep's Fescue.
4	"	Perennial Rye Grass.
16	"	Timothy.
1	"	Red Clover.
½	"	Alsike Clover.
35	lbs.	Price per acre, $5.50.

No. 2. For High and Dry Land.

3	lbs.	Red Top.
4	"	Tall Meadow Oat Grass.
2	"	Meadow Brome Grass.
½	"	Crested Dog's Tail.
5	"	Orchard Grass.
2	"	Hard Fescue.
3	"	Sheep's Fescue.
1	"	Meadow Soft Grass.
12	"	Timothy.
1	"	Rough-stalk Meadow Grass.
1	"	Red Clover.
½	"	White Clover.
35	lbs.	Price per acre, $6.50.

No. 3. On Wet, Late Land.

5	lbs.	Red Top.
2½	"	Creeping Bent Grass.
5	"	Orchard Grass.
2	"	Tall Meadow Oat Grass.
2	"	Meadow Fescue.
1	"	Tall Fescue.
1	"	Meadow Soft Grass.
5	"	Perennial Rye Grass.
10	"	Timothy.
1	"	Red Clover.
½	"	Alsike Clover.
35	lbs.	Price per acre, $6.25.

FORMULAS FOR PERMANENT PASTURE MIXTURES

If your fields are old or worn out it will pay you to plow up and seed again. For all ordinary permanent pasturage these formulas will be found entirely satisfactory.

No. 4. On Good Land, neither Too Dry nor Too Wet.

2	lbs.	Tall Meadow Oat Grass.
2	"	Red Top.
½	"	Perennial Sweet Vernal.
4	"	Orchard Grass.
3	"	Sheep's Fescue.
1	"	Hard Fescue.
1	"	Meadow Soft Grass.
5	"	Perennial Rye Grass.
1	"	Meadow Foxtail.
7	"	Kentucky Blue Grass.
6	"	Timothy.
½	"	Yellow Trefoil.
1	"	Red Clover.
1	"	White Clover.
35	lbs.	Price per acre, $6.50.

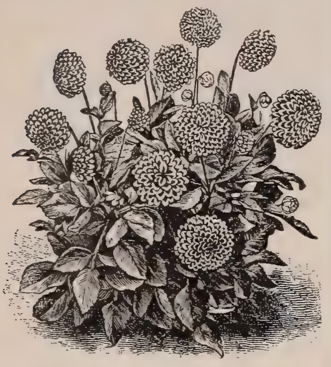
No. 5. On Dry Land.

3	lbs.	Creeping Bent Grass.
3½	"	Tall Meadow Oat Grass.
1	"	Meadow Brome Grass.
3	"	Orchard Grass.
1	"	Hard Fescue.
4	"	Sheep's Fescue.
½	"	Perennial Sweet Vernal.
6	"	Timothy.
5	"	Perennial Rye Grass.
2	"	Field Burnet.
4	"	Sainfoin.
1	"	Red Clover.
1	"	White Clover.
35	lbs.	Price per acre, $6.75.

No. 6. On Wet Land.

3	lbs.	Red Top.
4	"	Orchard Grass.
1	"	Meadow Fescue.
1	"	Tall Fescue.
1	"	Meadow Soft Grass.
5	"	Perennial Rye Grass.
1	"	Meadow Foxtail.
8	"	Timothy.
1	"	Rough-stalk Meadow Grass.
8	"	Kentucky Blue Grass.
1	"	Alsike Clover.
"	"	White Clover.
35	lbs.	Price per acre, $6.25.

In addition to a few novelties we have brought up on this page a number of flower seeds, omitted or very briefly noticed in the general list which runs from pages 43 to 65 inclusive.



DAHLIA, CACTUS-FLOWERED

2524. **DAHLIA, Cactus-flowered,** mixed. Very easily grown from seed. Blooms first year if sown early. Pkt., 10c.

2539a. **DIGITALIS Gloxiniæflora.** Handsome gloxinia-like flowers; beautiful for cutting. Height, 2 to 3 ft. Mixed. Pkt., 10c.

2656. **DIANTHUS, Fireball.** Double red hardy garden pink. Beautiful and lasting cut flower. Pkt., 5c.

2656a. **Snowball.** Double white. Pkt., 5c.

2697a. **GAILLARDIA,** Kelway's Hybrid. The flowers from this strain of seed are enormous size and in great variety of colors. A perennial sort, in bloom for months. Pkt., 25c.

2735. **HOLLYHOCK, Single.** Many people prefer single flowers to the double form. The single flower hollyhocks are more vigorous growers. They bloom the whole season, presenting at all times an attractive appearance. Pkt., 5c.

2785. **JOB'S TEARS.** This is the popular name given to the large, oval, shiny pearl seeds of an ornamental grass (Coix lachrymæ). A string of these seeds, worn around the neck, is by some regarded as a panacea for throat troubles. Annual, 3 ft. Pkt., 5c.

2834. **LYCHNIS Chalcedonica** (Jerusalem Cross). A hardy herbaceous plant growing about 2 ft high. Easy of culture and worthy a place in every garden. Glowing scarlet flowers. Pkt., 5c.

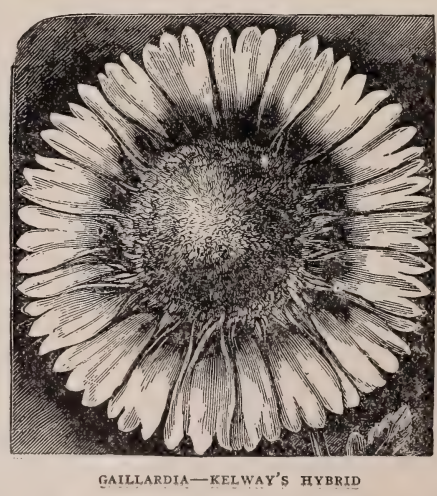
2907. **MIGNONETTE Bismarck.** A strain from a noted European grower. It can best be described as a dwarf and improved strain of the famous Machet. Pkt., 10c.

2896. **M., New York Market.** Recommended for culture under glass. The plants grow tall and produce very large and compact flower spikes. Pkt., 15c.

3200. **NASTURTIUM, Variegated Queen.** *Every leaf is variegated* with yellow, white, and green, but in such differing degrees that the plants present a most varied aspect, some of the leaves are one-half to two thirds white and yellow, while others are mostly green but beautifully *blotched* and *striped.* The flowers are a rich scarlet maroon, or "brick red." Pkt., 20c.

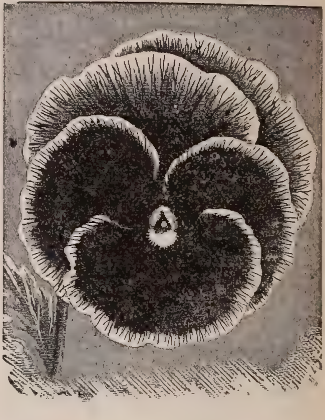
Delphinium Belladonna

2708a. The freest and most continuous blooming Hardy Larkspur, never being out of flower from the end of June until cut down by severe frost. **The clear turquois blue of its flowers is not equaled for delicacy and beauty by any other flower.** Seed sown early the coming spring will produce plants that will bloom freely through the late summer and autumn. Pkt., 25c.



GAILLARDIA—KELWAY'S HYBRID

3304. **PANSY, Andromeda.** The pretty flower is very graceful and attractive. Its color is a delicate apple-blossom, showing a lilac blue with darker veins. Pkt., 10c.



PANSY—RAPHAEL

3265. **PANSY, Raphael.** A fine Pansy of the BUGNOT class. The ground color of the flower is sky-blue; lower petals marked with a violet blotch. Pkt., 25c.

2958. **PETUNIA, Canary Bird.** We have seen this in bloom and can recommend it most highly. The plants were covered with handsomely fringed flowers of a clear, distinct yellow color, except in the throat where the shading was darker. Pkt., 25c.

2956. **PETUNIA, Double, Empress.** Handsome flowers; mammoth in size. The coloring is peculiar; delicate lilac rose, prettily striped and blotched cream. Pkt., 50c.

2720. **PUERARIA (Kudzu Vine).** Extremely rapid growing, hardy climber, splendid for covering verandas, dead trees, etc. Its large foliage makes dense shade. Bears rosy-purple, pea-shaped flowers towards the end of August. Pkt., 10c.

3520a. **SALVIA, Triumph of Italy.** Grows about 20 inches high; extremely compact, so much so that the stems are almost entirely concealed. Rose-lilac flowers, entirely different from any other. Pkt., 25c.

2790. **SOLANUM (Jerusalem Cherry).** This is a very useful pot plant for winter decoration. It is of dwarf, branching habit, leaves small and oval-shaped, bearing in the greatest profusion bright scarlet globular berries. Pkt., 5c.

3541. **STEVIA Serrata.** Free-blooming plants, bearing a multitude of fragrant pure-white flowers; suitable for summer or winter blooming; largely used for cutting. Pkt., 5 cents.

3570. **STOCK, Giant Abundance.** This is one of the best novelties of the season 1910 Seed sown in February will give rose-colored flowers in four months. "Abundance" is very dwarf, the stalk does not shoot up, but rather divides into numerous branches. Pkt., 25c.

Flower Seed Department

FOR many years we have given special attention to supplying **Flower Seeds for Florists.** They are most critical buyers; **they must have the highest grade quality in seeds.** Those we offer to you are of the same quality as we sell to florists; **the best to be obtained and that money can buy.** Our assortment is very extensive and complete.

A FIELD OF SWEET PEAS GROWING FOR SEED

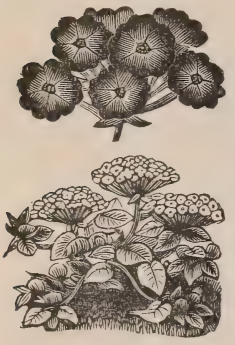
General Cultural Directions for Flower Seeds

MOST flower seeds germinate well in a rather light sandy loam, exposed to the sun, while a few are benefited by partial shade, and some do best with an element of clay finely mixed with the soil. Nearly all hardy seeds vegetate better when planted in early spring as soon as the soil can be worked fairly easily and has become warm.

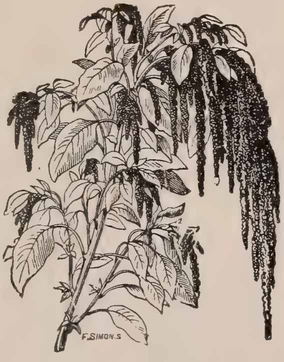
A general rule for the seed-bed is to have the soil rich, level, and worked very finely. Sow the seed evenly in the rows, cover with the finest of soil, about three times the diameter of the seed, and press the soil firmly over the seed. The soil should never become dry after the seeds have swelled, for if it does, they will be pretty sure to fail. For this reason it is best to sow small seeds in shallow boxes 2 to 3 inches in depth, that the surface of the soil may be kept properly moistened.

After the seeds are up, care must be taken to give them plenty of air and moisture, and yet not too much water, or they will "damp-off" (rot at the top of the ground). As soon as the second leaves are well out, the seedlings should be put into pots or new boxes. When finally transplanted to the bed or border, water frequently until established.

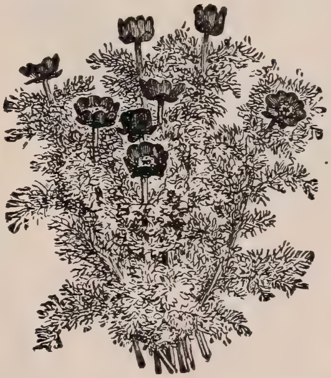
Annuals grow, bloom, and die the first year from seed. As a guide for planting, they are marked for hardy, H. A.; these will bear a hard frost. Half-hardy annuals, H. H. A.; these will bear but very little. Tender annuals, T. A., will bear no frost at all. **Biennials**—The hardy, half-hardy, and tender biennials require same treatment as annuals, and are marked respectively, H. B., H. H. B., and T. B. **Perennials,** H. P., H. H. P., and T. P.



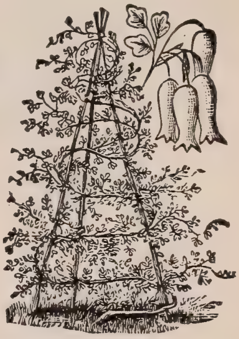
ABRONIA



LOVE LIES BLEEDING



ADONIS AUTUMNALIS



ADLUMIA

NOTE—For the convenience of purchasers and to facilitate the filling of orders, we have attached numbers to all varieties of Flower Seeds. In ordering it is only necessary to state quantity desired and number.

ABRONIA (Sand Verbena)

Beautiful, sweet-scented, trailing annual, bearing large trusses of fragrant, Verbena-like flowers. Succeeds well in the garden border; desirable for rock-work and vases.

2000. **Umbellata.** Rosy pink flowers. Pkt., 5c.

ABUTILON (Flowering Maple)

Strong growing plants that are almost perpetually in bloom. Suitable for house in winter and garden in summer. Beautiful, drooping, bell-shaped flowers in various colors. T. P.

2001. **Abutilon.** Mixed colors. Pkt., 10c.

ACHILLEA (Double White Yarrow)

Hardy perennial, easily grown from seed, flowering the first season if sown early. Covered with white flowers from spring until frost.

2007a. **Achillea.** The Pearl, 1½ feet. Pkt., 10c.

ACONITUM (Monkshood)

An old-fashioned hardy perennial suitable for growing among shrubery and in shady places. Produces long spikes of helmet-shaped flowers.

2012a. **Napellus.** Blue and white; 3 to 4 feet. Pkt., 5c.

ADLUMIA (Allegheny Vine)

2007. A pretty and graceful climber, with finely cut, pale-green leaves. Produces abundance of pale-pink flowers in summer. Does best in a cool, moist situation. A self-sowing hardy biennial. Blooms in June. Height, 15 feet. Pkt., 5c.

ADONIS (Flos Flower)

Free-blooming annuals which thrive in most any garden soil. Prefers a shady situation.

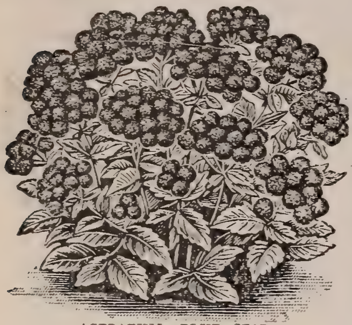
2002. **Æstivalis.** Deep scarlet flowers, 1 foot. Pkt., 5c.

AGATHEA Coelestis

2012. **Blue Daisy.** In appearance is exactly like the Marguerite or Paris Daisy, except its flowers, which are sky-blue with yellow disk. Easily grown, free blooming, and valuable for culture as a winter flower. H. A. Pkt., 5c.

AGERATUM

Plants that grow well anywhere. The tall-growing varieties are effective when mingled with Alyssum, Candytuft, and similar plants. The dwarf sorts make excellent borders. They bear clusters of feathery flowers all season. H. A.

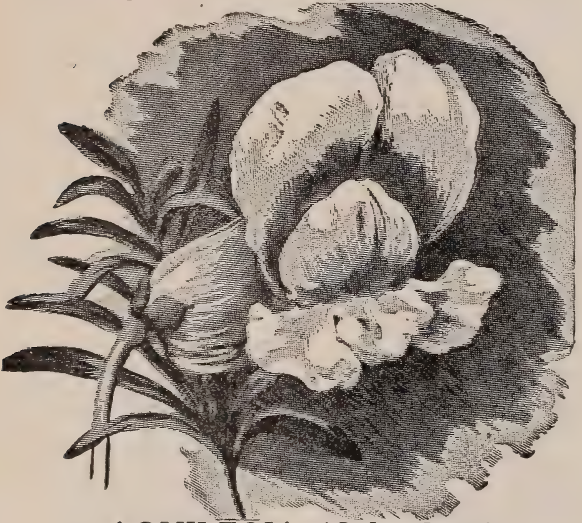


AGERATUM, BLUE STAR

TALL 18 inches	Pkt.
2024. **Blue**	$0.05
2025. **White** ..	.05
2032. **Mixed** ...	.05
DWARF 9 in.	Pkt.
2017. **Blue**	$0.05
2022. **White** ...	.05
2023. **Mixed** ...	.05

2022a. **Little Blue Star.** New. One of the most handsome dwarf edging plants, with blue flowers; better than Lobelia. Grows only 5 inches high. Makes nice plants from seed in a few weeks. Pkt., 15c.

2017a. **Blue Perfection.** Fine, rich, dark blue. Grows 9 inches high; valuable for bedding. Pkt., 5c.



AQUILEGIA (Columbine)

Well-known and favorite plants for the garden border; especially suitable for shady places. Are easily grown from seed, and soon form large clumps. Flowers are beautiful, and produce profusely in May and June. 1 to 2 feet. H. P.

2049. **Chrysantha.** Long-spurred, bright-yellow flowers. Pkt., 5c.

2049a. **Double Yellow Columbine.** A proportion may come semi-double. Pkt., 5c.

2050. **Cœrulea.** Native of Rocky Mountains. Sepals blue, petals white. Pkt., 5c.

2051. **Single,** finest mixed. Pkt., 5c.

2056. **Double,** mixed colors. Pkt., 5c.

2056a. **Grandiflora Alba.** A half-dwarf variety. Large pure-white, long-spurred flowers. Pkt., 5c.

ARCTOTIS Grandis

(African Daisy)

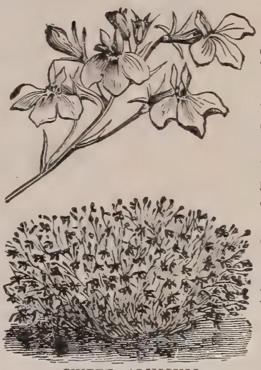
2046. Bushy, branching plant, growing about 2 feet high. In bloom from July until frost. Flowers daisy-like, white with light-blue center, the under side pale lilac. Valuable for bedding and for cut flowers. H. H. A. Pkt., 5c.

Ornamental Asparagus

2239. **Plumosa Nanus** (Lace Fern). One of the most popular house plants; easily grown from seed. Graceful, spreading sprays of feathery-like, upright leaves. Pkt., 15c.

2238. **Sprengeri** (Emerald Feather). Of trailing habit, suitable for pots and hanging baskets. Dark-green foliage, white flowers, followed by red berries. Pkt., 10c.

ALYSSUM, SWEET



SWEET ALYSSUM

2057. Hardy annual which begins to bloom very early and continues all through summer to be clothed with clusters of pure-white, fragrant flowers. Useful for edgings and window boxes. 6 inches. Pkt., 5c.

2057a. **Carpet of Snow.** Of trailing growth, covers the ground as with a carpet. Very dwarf; 3 inches high. Pkt., 5c.

2058. **Little Gem.** Grows erect; white; sweet. Pkt., 5c.

2068a. **Little Dorrit.** New; more compact than Little Gem. Pkt., 10c.

2068. **Saxatile compactum.** Hardy perennial; in spring each plant bears many heads of golden yellow flowers. 9 inches. Pkt., 5c.

AMARANTHUS Caudatus

2033. **Love-Lies-Bleeding.** Of rapid growth, easy culture, and ornamental when grown among other plants. Pkt., 5c.

2033a. **A. Tricolor** (Joseph's Coat). Pkt., 5c.

AMPELOPSIS VEITCHII, OR BOSTON IVY

2047. A hardy climber, with pretty, dark-green leaves which change to bright scarlet in fall. Will cling to the smoothest wall; requires no wire or string. Pkt., 10c.

For prices of plants, see "Climbing Plants," page 78.

ANEMONE (Windflower)

2048. Beautiful and showy flowers like Poppies. Blooms in spring. Fine for bouquets. Mixed colors. 9 inches. H. P. Pkt., 5c.

ANTIRRHINUM (Snapdragon)

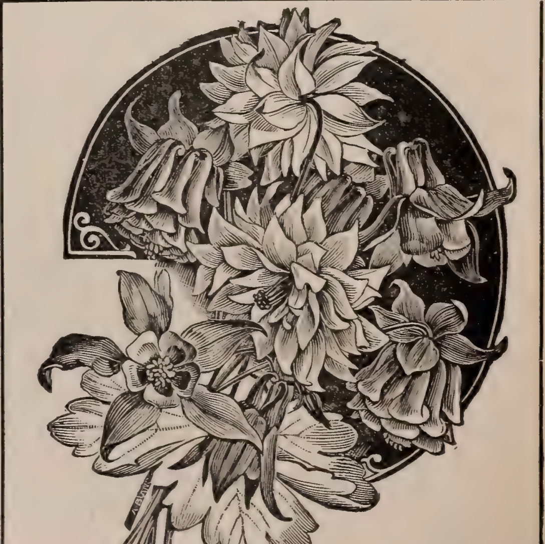
A border plant having dark, glossy leaves, and curiously shaped, showy colored flowers with spotted throats. Our list embraces the best of the giant-flowered, improved strains. Though perennial, they blossom the first year, if seed is sown early. Slightly covered with leaves, they withstand our winters. 1½ to 2 feet. H. H. P.

TALL VARIETIES (3 feet)

2926. White	$0.05	2929. Deep Rose.....	$0.05
2927. Carmine	.05	2040. Tall Mixed.....	.05
2928. Coral Red.......	.05	2039. Giant Flowered.	.05
2038a. **Queen Victoria.** Finely cut foliage and very large pure-white flowers. Pkt., 5c.		2918. Tall Yellow....	.05

DWARF VARIETIES (12 to 18 inches)

2930. White	$0.05	2934. Deep Rose.....	$0.05
2931. Carmine	.05	2933. Black Prince...	.05
2932. Pink	.05	2045. Dwarf Mixed..	.05
2038. **Queen of the North.** A dwarf variety of the giant-flowered class. Pkt., 5c.		2921. Dwarf Yellow..	.05



AQUILEGIA

SUPERB ASTERS of Recent Introduction

For Well-Known and Standard Varieties, see next Page

Asters are of easy culture. They are in bloom when almost all other flowers have succumbed to frost, hence are deservedly popular. The seed may be sown in the open ground after danger from frost is past. Stronger plants and earlier flowers can be obtained by sowing in a light window, hotbed, or greenhouse. **They require rich, loamy soil, and in dry weather should be mulched with well-rotted manure to produce large flowers,** yet they will succeed admirably in most ordinary garden soil.

The seeds offered have been grown by the most expert cultivators and were saved from double flowers only.

2194. **Daybreak** One of the most beautiful Asters in existence. In color a delicate shell pink. Of robust and graceful habit of growth, producing its large flowers on long stems, making it an excellent Aster for cut flowers. Grows erect, about 20 inches high, with numerous branches. Pkt., 10c.

2195. **Purity.** This *Snow White* Aster is similar to Daybreak except in color. Pkt., 10c.

The Daybreak Group

Some fine new colors have recently been added to this most desirable class of Asters.

2213a. **Salmon King.** Color bright enough to be conspicuous, novel, and pleasing. Pkt., 15c.

2954. **Lemon Drop.** A yellow one at last. It is a decided yellow. Pkt., 15c.

2954a. **Rosy Morn.** Rose colored. Pkt., 10c.

2952. **Violet King.** Violet-lilac. Pkt., 10c.

2214. **Lavender Gem.** Color deepens with age. Pkt., 10c.

2265. **Cactus.** Blooms early. Cut flowers keep fresh a long time. *As yet only one color—rosy carmine.* Flowers resemble Cactus Dahlias. Plants branch freely, throwing out 15 or 20 side shoots. Pkt., 25c.

2265a. **NEW WHITE ASTER, "HERCULES."** Each plant makes a strong stem 15 to 20 inches high which bears the main central flower. On the side shoots appear 4 to 6 secondary blooms. Pkt., 10c.

2198. **MAUVE QUEEN.** Similar in form to Hercules. The color is a pearl gray approaching to that of "Countess of Radnor" Sweet Pea. Pkt., 10c.

2173a. **Crimson Giant.** An upright growing sort producing very large, dark crimson flowers. Pkt., 10c.

2226. **Triumph of Paris.** Pkt, 25c.

THE CREGO ASTER

Originated a few years ago near Chicago and is now much in demand for its beautiful cut flowers. Its season is late; it is at its best when almost all other Asters have ceased to bloom. The individual flowers are large, fluffy, of fine form and handsome appearance.

2221, **Light Pink.** 2221a, **Rose.** 2221c, **White.** 2221b. **Mixed.** 2221d. **Purple.** **Each,** per pkt., 10c.

Giant Comet Aster "TRIUMPH OF PARIS"

2226. This fine Aster has won numerous commendations from the leading horticultural societies, and is one of the best introductions of recent years. It is of pyramidal habit, 2 to 2½ feet high. Flowers beautifully curled and twisted, 4 to 6 inches across; pure white with a quilled yellow center. Pkt., 10c.

Dwarf Comet Aster "EMPRESS FREDERICK"

2082. The finest dwarf, large-flowering Comet Aster yet introduced. Plant of compact, sturdy habit, bearing freely; immense plumy, snow-white flowers. Especially desirable for pot culture and the garden. Pkt., 10c.

Upright Branching Asters

In several respects these differ from any other Asters. The plants grow about 20 inches high and produce from 20 to 25 flowers, which are borne upon long, strong stems. The upright habit of growth permits of close planting. The cultivation of numerous plants in a limited space is a decided advantage. **Each, per pkt., 5c.**

2946. **White.**
2948. **Rose.**
2949. **Carmine.**
2950. **Purple.**
2950a. **Lavender.**
2951. **Mixed.**

2220. **Vick's Mikado Pink** Belongs to the Comet class. For a midsummer Aster it is without a rival. The outer petals show to their full extent, while toward the center they curl across each other, making a large, full, fluffy flower. The color is a delicate shell pink, between Vick's Branching Pink and Semple's Pink. **Pkt.,** 15c. 2220a. **White,** 15c.

ASTERS—Selected, Standard Varieties

CARLSON, or Invincible

A superior type of branching Aster with long-stemmed, peony-formed flowers of handsome form, large size, and fine substance. Wonderfully prolific, free from disease; in bloom from summer until frost. **Our seed is from the originator.**

2199. **White.**
2201. **Light Pink.**
2439. **Daybreak Pink.**
2200. **Rose Pink.**
2434. **Violet Blue.**
2202. **Lavender.**
2203. **Mixed.**
Each, per pkt., 10c.

COMET or Plume Asters

A beautiful and distinct class with long curled and twisted petals gracefully formed in loose yet densely double globes. 18 inches.

2133a. **Dark Blue.**
2126a. **Light Rose.**
2127a. **Deep Rose.**
2127. **Pink and White.**
2138a. **Lavender.**
2133. **Light Blue.**
2136. **Comet, mixed.**
Each per pkt., 5c.

2082. **Empress Frederick.** Pure white, fine. Pkt., 10c.

Giant Comet

The flowers are very large, with strong broad petals. Height, 2 feet.

2126. **Carmine.**
2137. **White and Rose.**
2135. **Snow White.**
2137a. **White,** striped pink.
2134. **Giant,** mixed.
Each, per pkt., 5c.

2226. **Triumph of Paris.** New and exceptionally fine. Outer petals pure white, center yellow. Pkt., 10c.

Hohenzollern Aster

An early fall Aster with enormous flowers of substantial quality. The plants grow 2 feet tall or more and branch freely. The flowers are so large and have such long, twisted petals that they are sometimes mistaken for Chrysanthemums.

2937a. **Light Pink.**
2936. **Light Blue.**
2937. **Rose.**
2938. **Lavender.**
Each, pkt., 10c.
2939. **Dark Blue.**
2943. **White.**
2945. **Mixed.**

2081. **JAPANESE or "TASSEL ASTER."** Light flesh-colored flowers of entirely different form than any other Asters. Height, 18 inches. Pkt., 5c.

Truffaut's (Peony-Flowered) Perfection

For size of flowers, beauty of colors, and habit of plant Perfection Asters are almost unrivaled. Flowers are incurved like those of a Peony, and are handsome in form. A grand bedding variety. Height, 2 ft. **Each, per pkt., 5c.**

2085. **Pure White.**
2091. **Rose.**
2092. **Blood Red.**
2097. **Light Blue.**
2098. **Dark Blue.**
2100. **Crimson.**
2102. **Sky Blue.**
2107. **Mixed.**

2112. **Imported Collection,** 6 distinct colors, 25c

Queen of the Market

Blooms **three weeks earlier** than the other Asters, and therefore a favorite with florists. Beautiful flowers of large size and fine appearance, borne on stiff stems. **Each, per pkt., 5c.**

2206. **White.**
2207. **Pink.**
2208. **Crimson.**
2209. **Purple.**
2210. **Light Blue.**
2211. **Mixed.**
2444. **Lavender.**

Semple's Late-Flowering Branching

The form of the flowers, which are borne upon long stems, places this class of Asters as among the very best late-blooming varieties for cut flowers. Height, 2 ft. **Each, pr pkt., 5c.**

2174. **White.**
2179. **Light Pink.**
2180. **Lavender.**
2185. **Mixed.**
2190. **Crimson.**
2191. **Purple.**
2192. **Rose.**
2193. **Light Blue.**

Vick's Branching Late-Flowering Asters

The flowers are of extraordinary size,—much larger than other varieties,—and stand erect on long, graceful stems, well above the foliage; flower stems 15 to 20 inches long. Grand for cutting. Plants extra large and of strong growth; one plant will cover a space two and a half feet square.

2123. **White.**
2212. **Pink.**
2212a. **Purple.**
2212b. **Crimson.**
2124. **Mixed Colors.**
Each, per pkt., 10c.

MIXTURE OF ASTERS

Made of the best varieties suitable for cut-flower purposes, principally of white, pink, and the brightest red, together with a small proportion of blue and purple.

2227. **Asters, tall varieties** mixed..............Pkt., 5c
2232. **Asters, dwarf varieties** mixed........... " 5c

CARLSON'S IMPROVED ASTERS

Improved Victoria

A magnificent class of Asters, having large, double, globe-shaped flowers 4 inches across and from 20 to 30 on a single plant. The colors are both delicate and handsome. Height, 15 to 18 inches.

		Pkt.			Pkt.
2069.	**White**	$0.10	2077.	**Dark Blue**	$0.10
2070.	**Rose**	.10	2077a.	**Lavender**	.10
2071.	**Carmine**	.10	2078.	**Crimson**	.10
2076.	**Light Blue**..	.10	2079.	**Mixed**	.10
2080.	**Imported Collection,** 6 distinct colors........				.25

OTHER VARIETIES OF ASTERS

2125. **CROWN** or Cocardeau. Pkt., 5c.

2237. **CHRYSANTHEMUM** Flowered, mixed. Pkt., 5c.

DWARF BOUQUET. Useful to form edgings to flower beds.
2146. **White.**
2156. **Crimson.**
2161. **Pink.**
2162. **Dark Blue.**
2167. **Mixed.**
Each per pkt., 5c.

DWARF QUEEN. For pots and beds. Height, 10 inches. 2138. **White.** 2139. **Crimson.** 2145. **Mixed.** Each, pkt., 5c.

2213. **CHRISTMAS TREE.** Dwarf. Each plant resembles a miniature tree. Fine for pots. Mixed colors. Pkt., 5c.

MIGNON. Height, 18 inches. Splendid for cut flowers. 2083. **Pure White.** Pkt., 5c. 2084. **Mixed.** Pkt., 5c.

SNOWBALL, or White Princess. Flower bears a resemblance to a miniature Dahlia. 2172. **White.** Pkt., 5c.

2196. **OSTRICH FEATHER.** Mixed. Pkt., 5c.

2197. **SUNLIGHT.** "The nearest approach to a yellow Aster." Height about 18 inches. Pkt., 5c.

2173. **TRIUMPH.** A very beautiful dwarf scarlet Aster. A companion for Snowball. Pkt., 5c.

AUSTRALIAN STAR FLOWER

BALSAM APPLE AND PEAR

Either Variety, per Pkt., 5c.

Ornamental climbers, with pretty foliage and flowers, followed by handsome fruit, which, when ripe, bursts open, exposing the bright red seeds within. 10 ft. H. A.

3044. **Balsamina.** Balsam Apple.
3048. **Charantia.** Balsam Pear.

BEAN, Scarlet Runner

3532. One of the good old standbys for covering screens and trellises. An exceedingly rapid grower. Its strong vines are always clothed with deep scarlet flowers from early summer until fall. Pkt., 5c.

BUTTERFLY RUNNER BEAN

2350. A new variety of the Scarlet Runner Bean, not only valuable as yielding a useful dish for the table, but important and desirable for brightening the garden far into the autumn. The flowers are distinguished by the pure white wings and scarlet standard; a most pleasing contrast. Pkt., 5c.

Australian Star Flower

(*Cephalipterum Drummondi*)

An annual which will grow in ordinary soil, but does best in sandy loam. Sow the seed in the open ground; cultivate like Petunias. Full-grown plants are a foot in height and breadth. The fragrant flowers are pink in color, sometimes varying to nearly white. The cut flowers retain their form and color permanently. Seed grown by Luther Burbank.

2378. **Star Flower.** Pkt., 10c.

BALLOON VINE

2240. A rapid growing annual climber, with white flowers and inflated seed pods which look like small balloons. Succeeds best in warm soil. Pkt., 5c.

BUTTERFLY BEAN

BEGONIAS from Seed

The first three of the varieties named below make splendid bedding plants. Start the seed early, in the house, and set out the plants in June. They are also desirable for pot plants in the window in winter.

2266a. **Semperflorens alba.** Pkt., 10c.
2266. **Tuberous Begonias.** Single. Pkt., 25c.
2267. **Tuberous Begonias.** Double. Pkt., 25c.
2268. **Rex.** House plants with beautiful leaves. *Seeds are extremely small.* Pkt., 15c.
2268a. **Prima Donna.** Rose-colored flowers. A fine pot or bedding plant. Pkt., 25c.
2272. **Vernon.** Orange-scarlet flowers; leaves dark green. Fine bedder. Pkt., 10c.
2273. **Dwarf Vernon.** For edgings. 10c.
2278. **Erfordia.** Light pink. Pkt., 10c

For Begonia Tubers see Bulb Dept.

BROWALLIA

Plants for House or garden, bearing all summer and autumn handsome flowers of various shades of blue. H. A.

2241. **Browallia,** mixed. Pkt., 5c.

B. SPECIOSA MAJOR

2242. Each plant forms a miniature bush about a foot high, and bears continuously indigo-blue flowers with white throat. Valuable for winter window culture. Pkt., 10c.

BUTTERFLY FLOWER

See Schizanthus.

CACALIA

2280. Pretty plants, bearing scarlet and yellow flowers from June to September. 1½ feet. H. A. Pkt., 5c.

2279. **CALANDRINIA.** A dwarf annual for the garden. In the sunshine its lovely pink flowers are beautiful. Pkt., 5c.

BALSAM (Lady Slipper)

The Balsam is a native of India. It loves rich soil, hot sun, and plenty of water. Sow the seed in window boxes or hotbeds early, or in the open air in May and transplant when two or three inches in height. Stimulate by weekly applications of manure water. T. A.

Double Camelia-Flowered Balsams

The delicate flowers of waxy texture are borne along the stems among the leaves as shown in the illustration. The seed we offer can not be excelled for quality. *We offer only the finest double sorts.* **In separate colors or mixed. Pkt., 5c.**

2243. **Scarlet.** 2244. **Crimson.** 2249. **Yellow.** 2255. **White.**
2254. **Solferino,** white, with scarlet spots and stripes. 2260. **Mixed.**

DOUBLE PURE WHITE BALSAM

"Alba Perfecta"

2262. This Balsam has always been in demand by florists. Its pure-white, double flowers might be called miniature Camelias. They are the largest in size and most perfect in form. Pkt., 5c.

2263. **Carnation Striped.** White, striped with purple or scarlet like a Carnation. Very showy and attractive. Pkt., 5c.

2264. **Double Balsam, Mixed.** A very good strain. Pkt., 5c.

BALSAM, "ALBA PERFECTA"

CALCEOLARIA (Pocket Flower)

Plants suitable for greenhouse and window culture. Bear large pocket-shaped flowers in spring and summer. Colors: yellow, maroon, crimson, etc. G. P.

2285. **Large Flowering.** Height, 18 inches. Pkt., 25c.
2290. **Nana.** Dwarf, 12 inches. Pkt., 25c.

The newest introductions in Seeds and Bulbs may be found on the first four pages. We are sure they will interest you.

CALENDULA (Pot Marigold)

Hardy annuals that thrive anywhere, especially in city gardens. The graceful star-shaped flowers exhibit every shade of yellow from ivory to deep orange. Well adapted for cutting, being borne upon long stems. 18 inches.

2352. **Meteor.** Large yellow flowers, striped with orange. Handsome. Pkt., 5c.

2362. **Prince of Orange.** Like "Meteor," but much darker in color. Pkt., 5c.

2363. **Mixed.** All the double sorts. Pkt., 5c.

CALLIOPSIS (Also called Coreopsis)

Showy, beautiful, free-blooming plants, producing large bright flowers of rich and charming colors throughout the entire summer. Mainly hardy annuals. 1 to 2 feet.

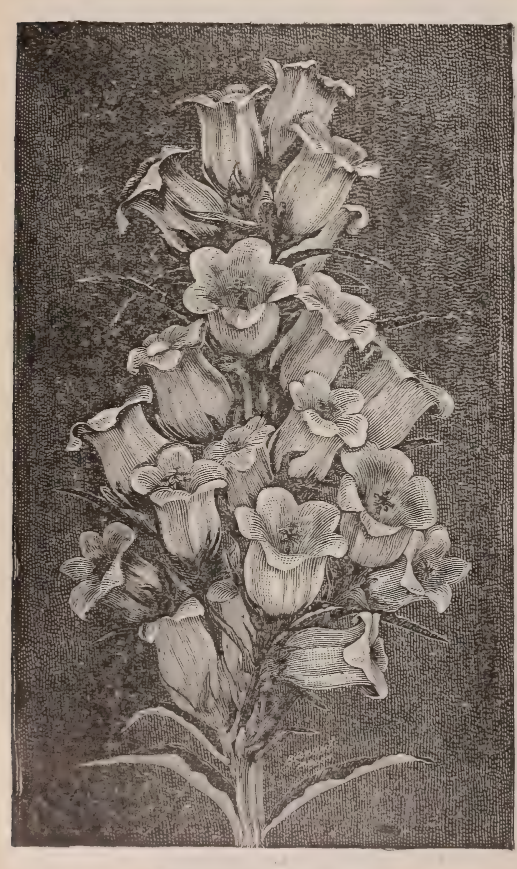
2461. **Coreopsis.** Best mixed. Pkt., 5c.

2466. **Golden Wave.** Flowers large, rich golden yellow, with crimson-brown center. Pkt., 5c.

2467. **Lanceolata.** Hardy perennial. Blooms June to autumn. Rich golden yellow; fine for cutting. Pkt., 5c.

CANARY BIRD FLOWER

2351. A rapid-growing climber, with graceful foliage of a delicate shade of green. Flowers bright yellow, which have a fanciful resemblance to a canary bird with expanded wings. Pkt., 5c.

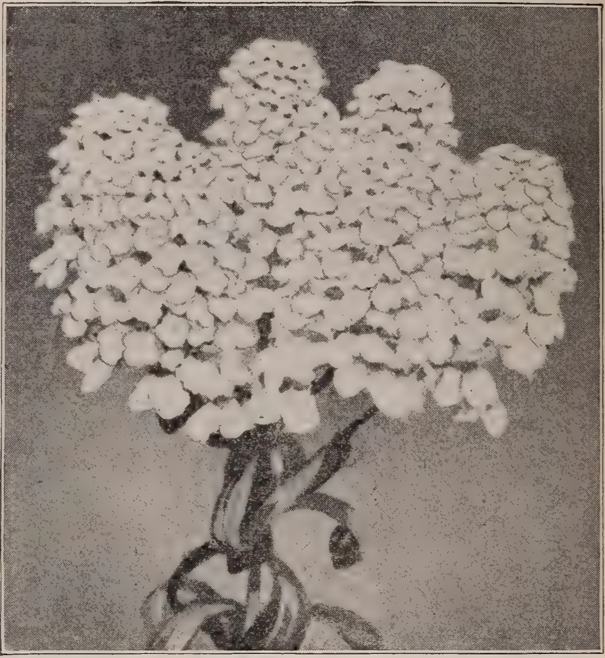


SINGLE CANTERBURY BELLS

CANDYTUFT

A dwarf annual of the easiest culture; free-blooming, showy, and useful for beds, borders, and edgings. Sow seeds where plants are to bloom, in rows 6 or 8 inches apart, thinning out to afford plenty of room, as they branch quite freely. Height, 1 foot.

2292. **Carmine.** Glowing carmine rose. Pkt., 5c.
2297. **Crimson.** Rich, dark crimson. Pkt., 5c.
2298. **White Rocket.** Long white flower spikes. **Pkt., 5c.**
2308. **Empress.** White, large flowers. Pkt., 5c.
2309. **Purple.** A beautiful shade of lilac. **Pkt., 5c.**



GIANT HYACINTH FLOWERED CANDYTUFT

2314. Bears bold, snow-white flowers, especially if the seedlings are transplanted and allowed to spread. Plants branch freely, making them desirable for filling borders. Splendid cut flowers. Pkt., 5c.

2300. **White Tom Thumb.** Grows 6 inches high, branching into a bush of a foot or more in diameter. Pkt., 5c.

2301. **Annual Sorts** of Candytuft, mixed. Pkt., 5c.

2307. **Sempervirens.** Survives winter out-of-doors. Its fine, white flowers are produced early in spring. H. P. Pkt., 5c.

CANNAS (Indian Shot)

These very attractive summer bedding plants can be grown readily from seed. The seed is extremely hard and should be soaked in warm water until swollen. Sow singly in small pots of sandy soil and set in a warm place, preferably a hotbed or sunny window. Set out in June where they are to flower.

2405. **Large-Flowering French.** All colors and shades. Pkt., 5c.
2410. **Cannas—American Grown.** Tall and dwarf mixed. Pkt., 5c.

CAMPANULA (Bell Flower)

Showy, well-known plants, bearing handsome flowers which are characterized by richness of color and profusion of bloom. They are among the best of garden plants. B. and P.

CANTERBURY BELLS (Campanula Medium)

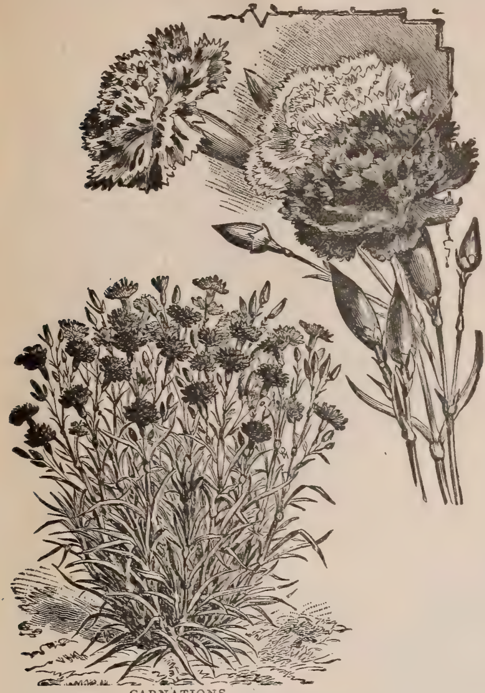
These will bloom the first year from seed if sown early.

SINGLE	Pkt.	DOUBLE	Pkt.
2364. **Blue,** fine shade...	$0.05	2366. **Blue,** fine shade...	$0.05
2364a. **White,** pure	.05	2366a. **White,** pure.......	.05
2364b. **Rosea.** Rose pink..	.05	2366b. **Rosea.** Rose pink..	.05
2365. **Single mixed**......	.05	2367. **Double mixed**.....	.05

CUP AND SAUCER CANTERBURY BELLS

The flowers differ from the ordinary type in having an extra large calyx of the same color of the flower, giving the appearance of a cup and saucer. In bloom for weeks during early summer.

2368. **Calycanthema,** blue	$0.05	2368b. ———. Rose	$0.05
2368a. ———. White......	.05	2369. ———. Mixed	.05



CARNATIONS

CARNATION PINKS

(For Chinese and Japanese Pinks, see Dianthus)

The most beautiful of the Dianthus family, valuable for culture in open ground during summer and as pot plants in greenhouse or window garden. The Margaret and Chaubaud are the best for summer blooming. If seed is sown in open ground in May or June, the plants flower splendidly the next season. Perpetual Carnations are quite hardy, but in a very cold situation should be protected with a light covering. 1 to 2 ft. H. H. P.

MARGARET CARNATIONS

Begin flowering in a few weeks from time of sowing. They produce on long stems an abundance of large, beautifully fringed, fragrant flowers, white, crimson, striped, etc.

2320. **Margaret,** mixed colors. Pkt., 5c. 2319a. **Scarlet.** 5c.

2319. **Margaret, White.** Fine double flowers. Pkt., 5c.

2325. **Giant Margaret.** Immense double flowers. Pkt., 10c.

2334. **Barnard's Carnation Mixture.** Contains seeds of all Carnations which *bloom the first season* after sowing. A packet, sufficient for a large bed, 10c.

PERPETUAL CARNATIONS

These bloom from seed the second year after sowing, and produce their large, handsome flowers indefinitely.

2326. **Chabaud's Giant Perpetual.** Colors the same as Margaret. Blooms in four months. Pkt 10c.

2327. **Guillaud,** yellow and yellow striped flowers. Pkt., 10c.

2344. **Giants of Nice.** Very large flowers, in varied tints. Pkt., 25c.

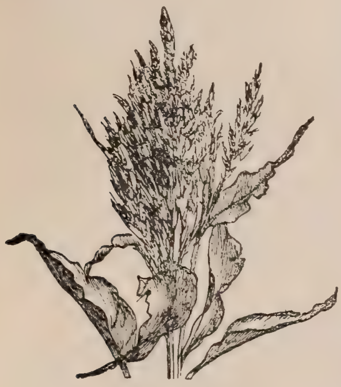
GRENADIN—Blooms three weeks earlier than other hardy Carnations.

2328. **Scarlet.** Pkt., 5c. 2349. **White.** Pkt., 5c.

2339. **CARNATIONS, Double.** A splendid mixture. Pkt., 10c.

2333. — **Double White Vienna.** Pkt., 5c.

We guarantee the safe delivery of all seeds we send to our customers. Except during the extremely busy days in spring all orders receive attention the same day.



CELOSIA PLUMOSA

Plumed Cockscomb

(CELOSIA PLUMOSA)

Branching plants 3½ feet high, bearing large conical, plumed heads of either golden yellow, fiery scarlet, purple, salmon, blood-red, etc. Good for cut flowers. Annuals, growing easily and quickly from seed.

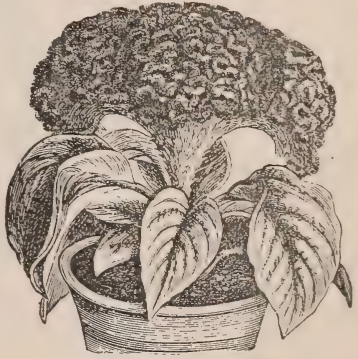
2376. **Triumph.** Bronzy foliage, crimson plumes. Pkt., 5c.

2375. **Ostrich Feather.** Grows in pyramid form. Its flower sprays resemble plumes. They are orange and scarlet in color. Mixed. Pkt., 5c.

2377. **Thompsoni Magnifica.** An exceptionally fine strain both for bedding and cut flowers. Pkt., 5c.

COCKSCOMB, PRESIDENT THIERS

2374. Remarkable for its low growth and handsome, bright-crimson combs. An exceptionally fine pot plant. Pkt., 5c.



COCKSCOMB

(CELOSIA CRISTATA)

The comb varieties of Celosia are ver showy either in the garden or grown in pots. They like rich soil.

2372. **Tall Cockscomb,** mixed. Pkt., 5c.

2371. **Dwarf Cockscomb,** mixed. Pkt., 5c.

CENTAUREA

Free-blooming, hardy annuals, known under various popular names. The class includes Cornflowers, Bluebottle, Sweet Sultans, etc. The cut flowers are favorites with every one, always meeting with ready sale. The so-called Dusty Millers, so useful for edging in flower beds, are included.

2386. **Odorata.** Light blue; large, sweet scented flowers. Pkt., 5c.

2387. **Chameleon.** Yellow and rose. Pkt., 5c.

2388. **Margaritae.** Very large flowers of purest white, borne on long stems. A grand cut flower. Pkt., 5c.

2389. **Double Corn Flower.** Mixed colors. Pkt., 5c.

2390. **Cyanus.** Old-fashioned Bachelor's Button, mixed. Pkt., 5c.

2398. **Emperor William.** Dark blue; 18 inches. Pkt., 5c.

2399. **Victoria.** Azure blue, 9 inches, fine for pots. Pkt., 5c.

2401. **Americana.** A native variety. Bears thistle-like blooms of a heliotrope color. A fine border plant. Pkt., 5c.

SWEET SULTAN (C. Imperialis)

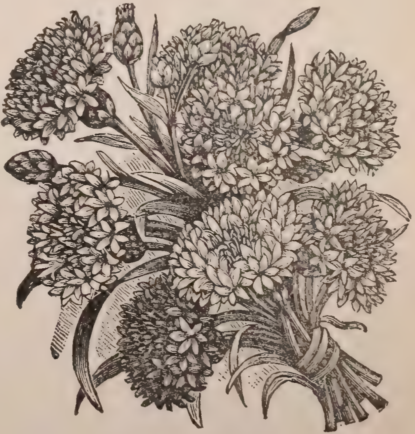
2396. Plants grow about 4 feet high. If cut just as about to open, the flowers *will last a week in water.* The colors vary; there are white, rose, lilac, purple, and others. Mixed. Pkt., 5c.

WHITE-LEAVED CENTAUREAS OR "DUSTY MILLERS"

These are planted for bedding or borders, not for flowers.

2391. **Candidissima.** Silver gray foliage. 1½feet.................Pkt., 10c

2397. **Gymnocarpa.** Leaves silvery white. 1 foot.................Pkt., 5c



DOUBLE CORNFLOWER

Annual Chrysanthemums

Summer blooming border plants of compact, thrifty growth. 1 to 1½ feet high, producing large blooms 2 inches across, from July until frost. Extensively grown for cut flowers. They are partial to a little shade. Sow seed in the open where plants are to stand.

2445. **Single, Mixed.** They are sometimes called Painted Daisies, because of their bright-colored flowers. Pkt., 5c.

2446. **Double, Mixed.** This mixture contains all the most desirable colors, from white to deep orange. Pkt., 5c.

Perennial Chrysanthemums

For Chrysanthemum Plants, see Plant List, page 76.

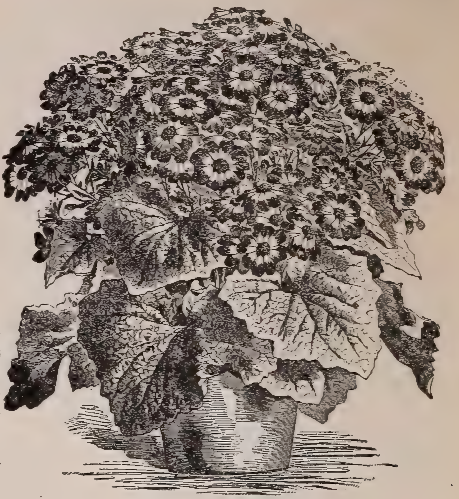
2447. **Japanese Hybrids.** Saved from large-flowering named florists' varieties. Sown early in spring, will bring blooming plants first season. Pkt.. 10c.

2448. **Frutescens Grandiflora** (White Paris Daisy or French Marguerites). They bloom all summer in the garden, also make desirable pot plants for winter culture. Pkt., 5c.

2449. **Maximum Perfection.** Makes a compact, bushy plant which produces pure-white flowers with yellow centers. Fine cut flower; lasts in water a week after cutting. Pkt., 5c.

2542. **Shasta Daisy.** Worthy a place in every garden. Produces large, graceful flowers of the purest white on long, stiff, wiry stems. Ordinary strain. Pkt., 10c.

2549. **Shasta Daisy.** Seed saved by Burbank. Pkt., 15c.



CINERARIA (PURE STRAIN)

Chrysanthemum, Bridal Robe

2455. It makes a *bedding plant* of the first rank. Of very *compact and upright habit,* not exceeding 10 inches in height, the sturdy plants throw out their finely feathered foliage from the base and cover themselves with a mantle of pure-white flowers. Pkt., 10c.

CLARKIA

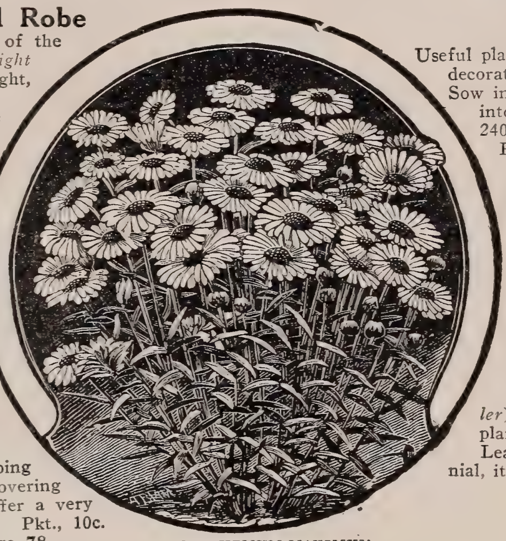
Pretty annual for flower beds and hanging baskets. Flowers red, white, pink, purple, etc. Grows about 18 inches high, and blooms freely all summer. A bed of Clarkia in full bloom is a beautiful sight. Sow where plants are to bloom and thin out.

2402. **Single,** 5c. 2403. **Double,** 5c.

CLEMATIS (Virgin's Bower)

2425. One of our best climbing shrubs, admirably adapted for covering stumps, arbors, or rock-work; we offer a very choice mixture of the best varieties. Pkt., 10c.

CLEMATIS PLANTS, see page 78.



CHRYSANTHEMUM MAXIMUM

CINERARIA

Useful plants for window and conservatory decoration. Easy to grow from seed. Sow in summer in boxes and transplant into pots for spring blooming.

2404. **Matador.** Brilliant scarlet. Pkt., 25c.

2380. **English Prize Strain.** Notable for size, color, and texture of flowers. Pkt., 25c.

2382. **Half Dwarf.** Pkt., 25c.

2385a. **Stellata.** Pkt., 15c.

2385. **Radiata Hybrida.** A new form of this favorite plant. The tiny, star-like flowers, in several distinct shades, are borne in clusters. The cut flowers will last a week in water. **Mixed Colors.** Pkt., 15c.

2384. **Maritima** (*Dusty Miller*). Extensively used for ribbon planting, vases, hanging baskets, etc. Leaves silver gray; although perennial, it is grown as an annual. Pkt., 5c.

CLIANTHUS DAMPIERI

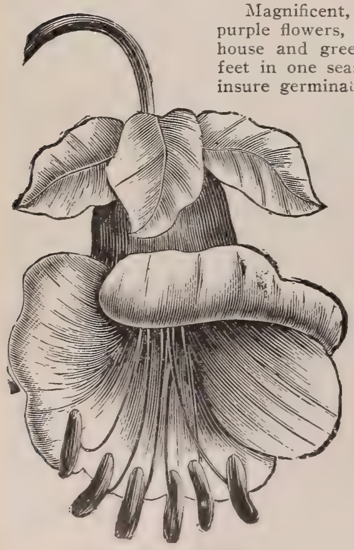
Glory Pea of Australia

2426. Undoubtedly one of the most gorgeous flowers in existence and one of the few that show a clear, glossy, jet-black color. The trailing plants grow 1 to 2 feet high, and bear in clusters the most beautiful red flowers. H. H. A. Pkt., 5c.

COBAEA SCANDENS

Magnificent, rapid-growing annual climber with large bell-shaped purple flowers, adapted for outdoor growth in summer, also for the house and greenhouse. A thrifty plant will often grow 20 to 30 feet in one season. The flat seeds should be planted edge down to insure germination. Give very little water at first. H. H. P.

2473. **Cobaea Scandens.** Purple. Pkt., 5c.
2478. —— —— White. Pkt., 5c.



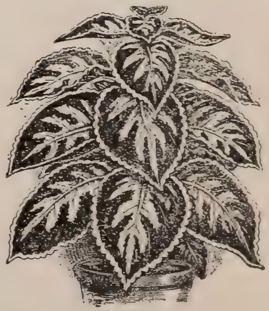
CORBAEA SCANDENS

HYBRID COLEUS

Foliage plants of much beauty. *Easily grown from seed.* They are popular for bedding and pot culture. Seeds sown early in the spring will produce fine plants for outdoor planting. T. P.

2494. **Finest Varieties in Mixture.** 1 to 2 ft. Pkt., 10c.

2499. **New Large-Leaved Hybrids.** Very large and superbly variegated foliage, mixed. Pkt., 25c.



COLEUS

Read the Garden Magazine

It will help you to have and enjoy a beautiful lawn and flowers. It is so timely with its suggestions and "Monthly Reminder." Its grand illustrations will give you ideas. It will keep you posted on the **"new things"** and the **good things worth knowing.** Price, $1.50 a year, but—if you buy $1.00 worth from this catalog, **the** price will be only **$1.00 a year—a saving to you of 50c.**

COSMOS

Plants 4 to 6 feet high, with delicate, feathery foliage. The pretty flowers, produced from September until fall, are of shades of rose, red and also pure white. Excellent for cutting. Seed sown outside in May will flower by September.

2506. **Early Flowering.** Mixed. Pkt., 5c.
2508a. **Pink,** 5c. 2509a. **White,** 5c.
2508. **"Dawn."** White, with a tinge of pink; early. Pkt., 5c.
2507. **Klondyke.** Early. Yellow. Pkt., 5c.
2513. **Marguerite.** Petals fringed in various bright colors mixed. Pkt., 5c.

COSMOS—Giant Flowered

These do not usually bloom until October. The flowers measure from 4 to 5 inches across, and are perfect in form. **Each, per pkt., 5c.**

2509. **Giant Red.** 2511. **Giant Pink.**
2510. **Giant White.** 2512. **Giant Mixed.**

2468. **COSMOS, Lady Lenox** One of the best recent introductions. Size of flower, 5 to 6 inches in diameter. Color, a beautiful shell pink. The cut flowers are borne upon very long stems, and last a long time in water. Pkt., 5c.

COSMOS—"LADY LENOX"

CYCLAMEN

These are beautiful winter-blooming plants for pot culture in the window or greenhouse. They may be flowered from seed in about one year. The flowers are bird-like, and *have a delightful fragrance.* Foliage beautifully marked.

2517. **White.** 2518. **Rose.**
2523. **Brown Red.**
2522. **Bright Red.** 2524. **Mixed.**
Each, pkt., 10c.
Salmon. Each, pkt, 15c.

ROKOKO CYCLAMEN

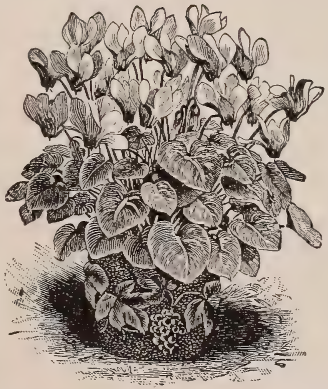
The blooms are nearly flat, beautifull fringed. In color they range from white to rose and dark red.

2516a. **10 Seeds, 35c.**

VICTORIA CYCLAMEN

Its flowers are beautifully fringed and the coloration of the margin corresponds with that of the base of the flower, giving the entire plant a handsome appearance.

2493. Pkt., 15c.



CYCLAMEN

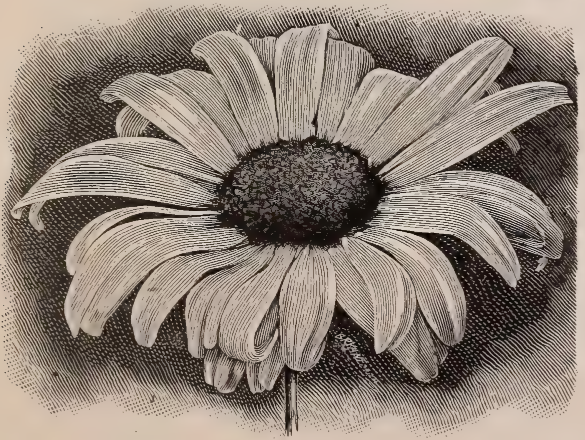
2505. **CUPHEA Platycentra** (*Cigar Plant*). Flowers scarlet, tipped with black. A favorite bedding and pot plant. Pkt., 10c.

CYPERUS or Umbrella Plant

2504. A graceful decorative plant which grows readily in water and most easily from seed. The leaves radiate from the stem and curve downward in a drooping manner. Valuable for the window garden. Pkt., 5c.

CYPRESS VINE

2514. A handsome climber that will run 15 feet or more during the season. Should be planted by the side of a trellis, tree or stakes. Its beautiful dark-green foliage and star-shaped flowers in clusters are a mass of beauty all summer long. Pkt., 5c.



THE SHASTA DAISY

2549. Fine hardy perennial for permanent garden decoration. It is hardy; of compact, bushy growth, bearing in profusion, throughout the season, single white Daisy flowers of immense size, often more than 4 inches across, on stems 1½ to 2 feet long. Seed saved by Luther Burbank from named flowers. Pkt., 15c.

2542. **Shasta Daisy.** Ordinary strain. Pkt., 10c.

DOUBLE DAISY (Bellis Perennis)

Charming plants, indispensable for cool, shady places, though they do quite well in open sunshine. Seed sown early will give blooming plants in a short time. With protection, Daisies will endure our winter and bloom in early spring. 6 inches. H. H. P.

2540. **Longfellow.** Double, dark-pink flowers; comes true. Pkt., 5c.
2541. **Snowball.** A sport of Longfellow, with pure-white flowers. Pkt., 5c.
2543. **Double, Mixed,** including Longfellow and Snowball. Pkt., 5c.

GIANT-FLOWERED DAISIES

The plants are stronger than ordinary double daisies; they bloom *earlier* and for a longer time.

2544. **Giant, Mixed.** Pkt., 10c. 2545. **Giant White.** Pkt., 10c.

DAHLIA

These grand flowers of the autumn, if the seed is sown quite early in spring, will commence to bloom by midsummer. Dig the tubers in fall and keep in sand in cellar. 3 to 5 feet. H. H. P.

2524. **Cactus-Flowered.** Double. Pkt., 10c.
2525. **Double, Large-Flowered.** Pkt., 10c.
2526. **Single, Mixed,** from fine varieties. Pkt., 10c.

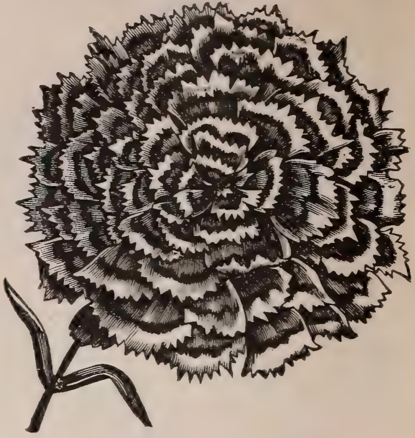
DATURA (Trumpet Flower)

2527. Bushy, branching, annual plants, 2 to 3 feet high. Suitable for backgrounds and shrubberies. Mixed. Pkt., 5c.
2538. **Cornucopia.** Three funnel-shaped flowers in one. White inside; outside margined with purple. Pkt., 5c.

DIANTHUS or PINKS

A magnificent genus, embracing some of the most popular flowers in cultivation, producing a great variety of brilliant colors and profusion of bloom. The hardy biennials, or Chinese and Japanese varieties, bloom the first season, the same as hardy annuals; height, 1 foot. The hardy perennial varieties are very fragrant and of easy culture for the garden or greenhouse.

Each, per pkt., 5c, unless otherwise noted.

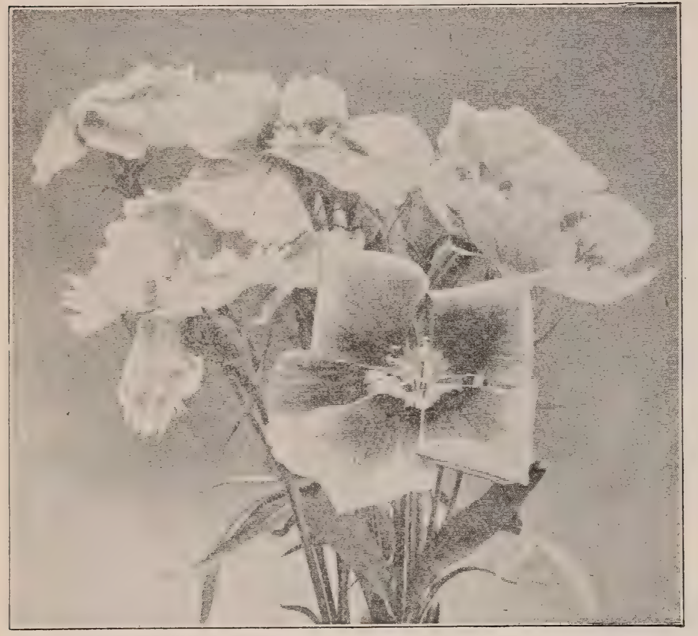


FRINGED JAPAN PINK

DOUBLE ANNUAL PINKS

All these varieties bloom profusely and make splendid cut flowers for bouquets, having stout, strong stems.

2570. **Chinensis.** China Pink. Double, mixed.
2574. **Chinensis Albus.** China Pink. White.
2584. **Heddewigi.** Many beautiful colors.
2579. **Heddewigi Albus.** Double, white Japan Pink.
2589. **Laciniatus.** Double fringed Japan Pink. Showy flowers with beautiful stripes and fringed edges.
2594. **Imperialis.** Double Imperial Pink. Large range of colors.
2604. **Diadematus.** Double Diadem Pink. An exceptionally fine variety with flowers of crimson, lilac, and purple.
2609. **Mourning Cloak.** Purple margined with pure white.
2610. **Double Pinks.** Mixture of above.
2656. **Fireball.** Double Red. Pkt., 5c. 2658a. **Snowball.** Pkt., 5c.



SINGLE ANNUAL PINKS

They are indispensable for summer bedding and to cut for bouquets. Each 5c, except where noted.

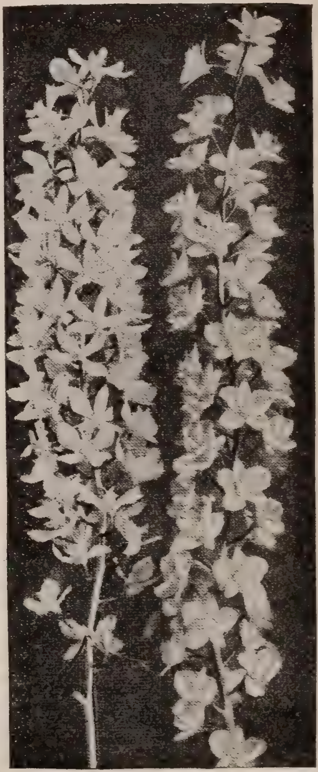
2611. **Laciniatus.** Fringed pink. Rich colors. Mixed.
2612. **Heddewigi.** Japan Pink. Large beautiful flowers.
2613. **Crimson Belle.** Velvety crimson, fringed flowers.
2614. **Eastern Queen.** Marbled with light and dark mauve.
2615. **The Bride.** Large flowers; white and purple eye.
2613a. **Laciniatus Mirabilis.** A new strain of Japan Pinks. excellent for cutting. Large flowers with petals deeply cut into fine strips. Colors from pure white to purplish red. Pkt., 10c.
2617. **Single Annual Pinks.** Mixture of above. Pkt., 5c.
2616. **Single and Double Annual Pinks.** A blending by ourselves of all the annual varieties described above. Seed sown early will make a bed of blooming flowers by July or August. Scarcely two plants will be alike. Pkt., 5c.

HARDY GARDEN or CLOVE PINKS

This splendid class of hardy perennial pinks should be in all gardens. They have the delightful clove fragrance.

2618. **Plumarius** (Pheasant-eye). A beautiful, single, hardy pink with fringed-edged white flowers, dark center, 5c.
2623. **Plumarius Fl. Pl.** Double and semi-double varieties in mixed colors. Fragrant and beautiful. Pkt., 5c.

For
Annual Larkspurs
Please turn to page 55

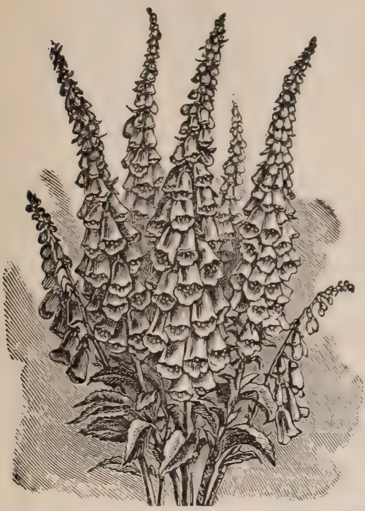


DELPHINIUM

(Hardy Perennial Larkspur)

Among the best plants for mixed borders where they make an imposing display with their long spikes of graceful flowers ranging through many shades of blue and others. Perennial Larkspurs usually grow taller than the annual varieties.

2708a. **Belladonna.** Torquoise blue. Pkt., 25c.
2562. **Formosum.** Dark blue, with white center, showy and attractive. 3 feet. Pkt., 5c.
2568. **Coelestinum.** Sky-blue, true. Pkt., 5c.
2567. **Nudicaule.** Scarlet; dwarf, 1 foot. Pkt., 10c.
2569. **Elatum Nanum.** All shades of blue from light to very dark. 3 feet. Pkt., 5c.
2569a. **Delphinium Hybrids.** Pkt., 5c.
2708. **Chinese.** These fine Larkspurs are admired for their handsome feathery foliage as well as their flowers. The plants make lateral branches. Mixed. Pkt., 5c.
2706. **White.** Pkt., 5c. 2707. **Blue.** Pkt., 5c.



FOXGLOVE

DIGITALIS (Fox Glove)

2539. Suitable for borders and as background for smaller plants. Prefers partial shade. H. P. **Mixed.** Pkt., 5c.
2539a. Gloxineaflora, mixed. Pkt., 5c.

DOLICHOS, (Hyacinth Bean)

A rapid-growing, climbing plant, suitable for covering arbors, porches, trellises, etc. Has pretty foliage.
2628. **Purple and White.** Pkt., 5c.
2628a. **Sunlight.** White. Pkt., 5c.

DRACAENA, or Club Palm

Ornamental plants with long, graceful foliage. Tender greenhouse perennial.
2633. **Australis,** narrow foliage, 5c.
2634. **Indivisa,** thin leaves. Pkt., 5c.
2635. **Lineata.** Pkt., 5c.

ECHEVARIA Desmetiana

2722. Largely used for bedding. One of the "Hen and Chickens" family, with silvery foliage. Pkt. (100 seeds), 20c.

ECHINOCYSTIS Lobata

(Wild Cucumber)

3633. An annual climber of exceedingly rapid growth. To cover a pillar or trellis or to embellish an ungainly tree trunk, fences, unsightly buildings, there is nothing which so completely fills as this does. *It is thickly dotted over with pretty, white, fragrant flowers, followed by quantities of ornamental and prickly seed pods.* Pkt., 5c; ½ oz., 15c.

Dimorphotheca aurantiaca

2772. Rare, showy annuals from South Africa. Very easy of culture. Just the thing for groups and borders. Grows from 12 to 15 inches high; branching in habit. Flowers glossy, rich orange gold with dark center, surrounded by a black zone, making a grand sight. Pkt., 25c.

EDELWEISS

(Leontopodium Alpinum)

2721. The interesting, white, downy-leaved plant sought after by Alpine tourists. It thrives in any sunny garden. 6 in. H. P. Pkt., 10c.

GARDEN TROWEL

"Never Break"

A necessity in every garden. Very strong and durable. Made of the best steel. Will last a lifetime. By mail, postpaid, each 25c.

We also carry in stock a large assortment of Garden Trowels of different patterns. See page 93.

EVERLASTINGS

A group of annual plants whose flowers, cut when nearly at full bloom and dried in the shade, retain their form for years thereafter. They thrive in any sunny garden; need good soil.

2657. **Acroclinium,** rose and white.
2662. **Gomphrena,** red, clover-like heads.
2663. **Helichrysum,** mixed. Splendid for bouquets.
2664. **Silver Ball,** white.
2665. **Helipterum,** yellow.
2666. **Rhodanthe,** various colors, white, pink, etc.
2671. **Xeranthemum,** purple and white.

Any of above, Pkt., 5c.
1 each, 7 for 25c.

ESCHSCHOLTZIA

(California Poppy)

A useful annual, especially valuable for growing in flower beds and masses. Sow where plants are to bloom. Bright, showy flowers and feathery foliage. Valuable for cut flowers. The yellow varieties make a fine combination when placed with blue flowers—Larkspur, Corn Flowers—in a bouquet.

2709. **Dainty Queen.** A recent addition with flowers of dainty coral pink which deepens toward the edges. Pkt., 5 cents.
2646. **Golden West.** Large yellow flowers. Pkt., 5c.
2651. **Mandarin.** Red-gold flowers; orange within; scarlet outside. Pkt., 5c.
2652. **Rose.** Pkt., 5c.
2653. **Single,** mixed. 5c.
2655. **Double,** mixed. 5c.

ESCHSCHOLTZIA—"DAINTY QUEEN"

FORGET-ME-NOT

(Myosotis)

All the varieties are favorites. They like cool, moist soils. Useful for edgings and borders. H. P. Average height, 6 inches.

2672. **Alpestris.** Blue; trailing habit. Pkt., 5c.
2680. **Robusta Grandiflora.** Grown extensively for cutting. Pyramidal habit. Flowers sky-blue, with yellow eye. Pkt., 5c.
2673. **Victoria.** Sky-blue; dwarf; globular. Pkt., 5c.
2674. **Dissitiflora.** Blue; very early bloomer. Pkt., 5c.
2679. **Palustris.** Blue with yellow eye. Pkt., 5c.
2681. **Forget-Me-Not.** Many varieties, mixed. Pkt., 5c.
2714. **Tom Thumb.** Pillar-shaped. Sky-blue flowers. Pkt., 20c.
2674a. **The Sylph.** Silvery white flowers with shining dark-green leaves. Dwarf habit. Pkt., 10c.

GAILLARDIA (Blanket Flower)

These bear both single and double flowers in scarlet and yellow, blended and shaded, all summer long. Excellent for cutting.

2694. **Picta Lorenziana.** Double, mixed. A. Pkt., 5c.
2695. Mixed, single Gaillardias. A. Pkt., 5c.

Following are hardy perennials, and should be in every garden.
2693. **Grandiflora Superba.** Large and showy flowers; scarlet and orange; constant bloomer. Pkt., 5c.

2696. **New Hybrids.** These produce flowers of brilliant color and are strikingly beautiful. Pkt., 5c.
2697a. **Kelway's Hybrid.** Large flowers. Pkt., 10c.

FORGET-ME-NOT—"THE SYLPH"

GERANIUM

2682. **Zonale.** Mixed. Saved from the largest and finest varieties. Pkt., 5c.

2683. **Apple Scented.** Its delightfully fragrant leaves are prized for use in bouquets. Apple Geranium is grown from seed only. Pkt., 10c.

GERBERA

2075a. **Jamesoni Hybrida.** The beautiful flowers ranging from pink to violet, and borne upon long stems, are invaluable for floral work. Pkt., 25c.

GILIA

Free blooming plant of dwarf habit suitable for rock work. Blooms early; cut flowers last well in water. 1 ft. H. A.

2701. **G. mixed.** Pkt., 5c.

2702. **G. Dwarf White.** Pkt., 5c.

Glaucium Flavum.

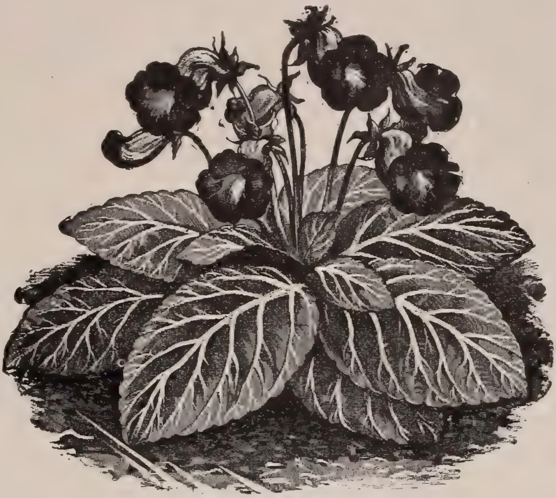
2705. This is a hardy annual Horn-Poppy, having large, fine-shaped flowers, orange-red in color with black or yellow spots. In bloom nearly all summer. Pkt., 5c.

GLOXINIA (Sinningia)

Beautiful greenhouse plants of dwarf habit. Seeds sown under glass will give flowering plants in four or five months. The bell-shaped flowers embrace many handsome colors seen in no other class of plants. 1 foot. T. P.

2703. **Gloxinia.** Fine, mixed. Pkt., 15c.

2703a. **G. Defiance.** Brilliant scarlet. Pkt., 20c.



Sinningia Regina Hybrida

3597. Requires same treatment as gloxinia; forms strong bulbs from seed. The leaves are dark green, purple on the under surface. Flowers lilac. Pkt., 20c.

GODETIA

Hardy annual deserving greater popularity, producing like flowers of satiny texture and of delicate and lovely colors. Suitable for beds, borders and to grow in shady places. They grow rapidly and flower profusely from June until frost. 18 inches.

2710. **Godeta,** mixed, 5c.

Grevillea Robusta.

2704. (Australian Silk Oak) Foliage fern-like, contrasting well with palms. Splendid for decorative purposes. Well adapted for house culture. 4 feet. T. P. Pkt., 5c.

Ornamental Gourds.

Fast-growing vines useful in covering fences, trellises, tree-stumps, etc. They produce useful and ornamental fruits in great variety of shapes and colors. T. A.

2697. **Nest Egg.** Fruit white, resembles eggs. 5c.

2698. **Dish Cloth** (Chinese Luffa or Sponge Gourd). The inner fiber is used as a bonnet, sponge, or dish cloth. Pkt., 5c.

2699. **Sugar Trough.** Shaped like a pumpkin. Pkt., 5c.

2700. **Gourds,** mixed. Pkt., 5c.

GYPSOPHILA

(BABY'S BREATH)

2711. **Elegans.** Hardy annual. Extremely useful for cut flowers and to mingle with others in bouquets. The white flowers are small, borne upon long stems. In bloom from early summer until late frost. Pkt., 5c.

2712. **Paniculata.** Perennial. Pure white flowers; they are tiny and come in large panicles. Pkt., 5c.

HOLLYHOCKS

They require a dry, deep, rich soil to successfully stand our winters; wet, heavy soils are sure death to them. 6 ft. H. P.

2735. **Single,** mixed. Pkt., 5c.

Chater's Prize Hollyhocks

2754. Without doubt the choicest strain in cultivation. Mixed. Pkt., 10c.

Double Hollyhocks

Any of the following: Pkt., 5c.

2740. **White.**
2741. **Crimson.**
2742. **Salmon.**
2748. **Yellow.**
2753. **Maroon.**
2755. **Pink.**
2743. **Double Hollyhocks,** mixed.

2765. **Mammoth Allegheny.** Double and semi-double, beautiful, fringed flowers, resembling rosettes of satin in various colors. Mixed. Pkt., 5c.

HUMULUS

2766. **Japonicus.** Climbing Japan Hop. Pkt., 5c.

2767. **Variegated Leaved Hop.** Pkt., 5c.

HELIANTHUS

The Helianthus, or Sunflower, is well known. Many improvements have been made upon it, the newer varieties being now considered indispensable for cut flowers. In bloom from June until frost. 3 to 4 feet. H. A.

2713. **Multiflorus.** Forms a dwarf plant. Each branch carries double golden-yellow flowers. Pkt., 5c.

2715. **Miniature.** Flowers single, bright orange, elegant in form. Pkt., 5c.

2716. **Mammoth Russian.** Grown chiefly for its seeds. Pkt., 5c.

2717. **Single and Double,** mixed. 5c.

2718. **Globosus Fistulosus.** 6 feet tall. Double saffron flowers. Pkt., 5c.

HELIOTROPE

Deliciously fragrant plants, which, if sown early in heat, bloom the first season. They are favorite plants for pot culture in winter, or bedded out in summer. Purple, lilac, and white flowers are borne in large trusses. 2 feet. G. P.

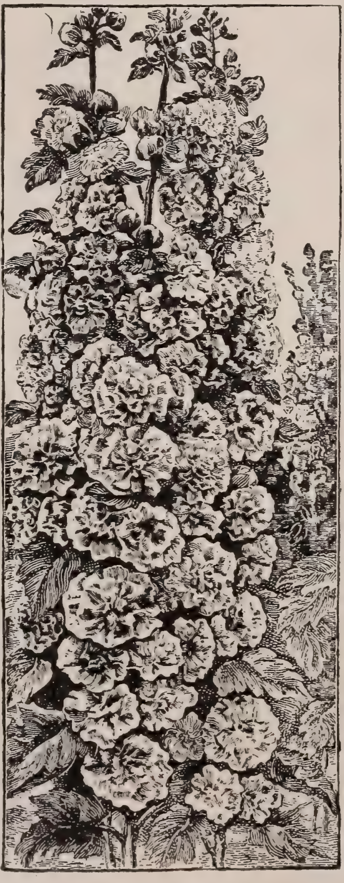
2723. **Dark Sorts,** mixed. Pkt., 5c.

2724. **Mammoth Flowered.** This strain gives flowers almost twice the size of others. Colors from almost white to deep, dark purple. Pkt., 10c.

2732. **Heliotrope,** mixed. Pkt., 5c.

HEUCHERA

2733. **Cristata micrantha.** A beautiful perennial foliage plant with gracefully crimped and crested leaves, which no other plant possesses to the same extent. Its great panicles, 2 to 3 feet long, of small, white flowers are an added charm. Comes true from seed. Pkt., 5c,



HOLLYHOCKS

HUNNEMANNIA (Bush Eschscholtzia)

641. **Fumariæfolia.** A valuable garden plant which forms bushes two feet in height before blooming. The large, tulip-shaped, yellow flowers are borne on long stems from August until November. Cut flowers last in water for several days. Seeds should be sown where plants are to bloom. Pkt., 5c.

ICE PLANT

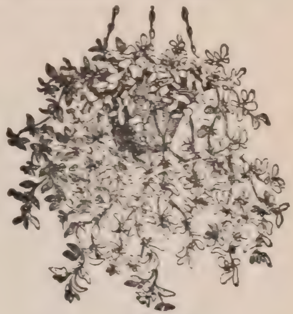
2780. Trailing annual of drooping habit; useful for baskets, vases, etc. Has thick, succulent leaves, covered with globules which have the appearance of ice crystals. Pkt., 5c.

JERUSALEM CHERRY

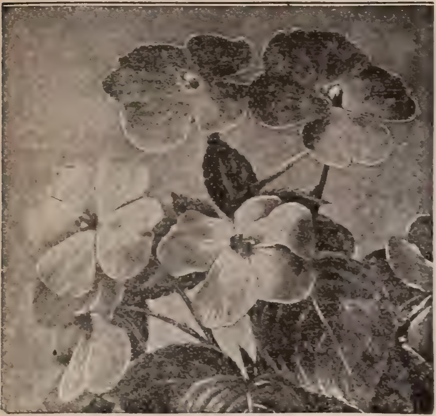
2790. A favorite house plant. Dark-green leaves and bright-red berries. Pkt., 5c.

JOB S TEARS

2785. Broad, corn-like leaves and hard, shining, pearly seeds. Pkt., 5c; oz., 15c.



ICE PLANT



IMPATIENS Holsti Hybrids

2773. Valuable for pot culture and bedding out. Each plant forms a bush about 2 feet high with large flowers ranging in color from pale rose to crimson, borne in great profusion. T. P. Pkt., 10c.

2774. **Sultani** (Perennial Balsam). Rich, bright rose. 2 feet. Pkt., 10c.

2775. **Sultani Hybrida.** Various colors, mixed. Pkt., 10c.

KOCHIA Tricophila

2719. A pretty half-hardy annual 2 to 3 feet in height, which grows into a perfect pyramidal-shaped cypress-like bush with feathery, light-green foliage, deepening as the season advances until it becomes a lovely crimson hue about September. Excellent for edging or hedging. Pkt., 5c.

KUDZU VINE

(Jack and the Bean Stalk)

2720. An extremely fast-growing, hardy vine. Its large, bright-green leaves make dense shade. Bears rosy-purple, pea-shaped flowers toward the end of August. Thrives anywhere. Pkt., 10c.

LARKSPUR

ANNUAL VARIETIES

These include the Rocket sorts, which should be set 5 to 6 inches apart, and the branching kinds which require 2 feet apart. They are among the most showy, graceful, and effective plants. Handsome, feather-like foliage and long spikes of lovely flowers—white, pink, blue and violet. Fine for cutting. In bloom July to October. Prefer cool, moist soil.

		Pkt.
2555.	**Tall Branching,** mixed	$0.05
2560.	**Tall Rocket,** mixed	.05
2550a.	**Dwarf Rocket,** mixed	.05
2561.	**Emperor,** compact growth	.05

Hyacinth-Flowered Larkspur

2550. The plants grow 2 to 3 feet high. The flowers very strongly resemble those of a Hyacinth, hence the name. Colors, white flesh-tinted, lavender, and blue in mixture. Easy to cultivate, but seed should be sown where the plants are to bloom. Mixed. Pkt., 5c.

For Perennial Larkspurs, see DELPHINUM, page 52.

KOCHIA TRICOPHILA

LOBELIA

Little, round, compact plants, 4 to 6 inches high, forming little mounds of bloom; splendid for hanging baskets, also for edgings or flower beds. T. A.

2807. **Emp. William.** Light blue. Pkt., 5c,

2808. **Crystal Palace Compacta.** Deep blue. Splendid bedder. Pkt., 5c.

2809. **Speciosa.** Blue; trailing. 5c.

2810. **Alba.** White. Pkt., 5c.

2811. **Bedding Queen.** Dwarf; purple with white eye. One of the best. Pkt., 5c.

2812. **Barnard's Perpetual.** Ultramarine blue; white eye. Pkt., 5c.

2813. **White Gem.** Pkt., 5c.

2814. **Lobelia.** Mixed colors. Pkt., 5c.

2824. **Prima Donna.** Rich, velvety crimson; compact. Pkt., 5c.

2819. **Queen Victoria.** Perennial. Dark-bronzy foliage; scarlet flowers. Pkt., 10c,

LANTANA

2791. Desirable plants for bedding or culture in pots. The handsome clusters of Verbena like flowers constantly change in hue. 2 ft. Pkt., 5c.

Lathyrus Latifolius

2835. Perennial climber, growing 6 to 8 feet high when trained on a trellis; the flowers are borne in large clusters. These plants are adapted to rough places to scramble over rocks and bushes; splendid cut flower. Pkt., 5c.

Lavender

2796. Sweet-scented, shrubby perennial, with blue flowers. Its dried heads are used to impart an agreeable fragrance to linen closets. 5c.

Leontopodium

2721. **Alpinum.** Fine for cutting. An everlasting with white, wooly flowers. Pkt., 10c.

Linaria

2801a. **Maroccana "Excelsior."** Hardy annual. Flowers resemble miniature Snapdragons; prized for bouquets and vases. Pkt., 10c.

2801. **Cymbalaria** (Kenilworth Ivy). Useful in vases, baskets, etc. T. P. Pkt., 5c.

Linum

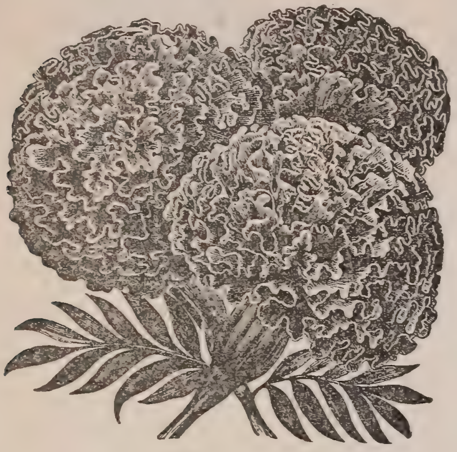
2802. **Grandiflorum Rubrum** (Flowering Flax). Scarlet flowers. A. Pkt., 5c.

2803. **Perennial Linum.** Pkt., 5c.

LOBELIA—WHITE GEM

MARIGOLD (Tagetes)

Marigolds are among the easy plants to cultivate. They make a splendid show in the garden from June until frost. **African** varieties grow tall. Their flowers are large and all of one color. **French** varieties are of dwarf habit and small flowered; some have handsomely striped or gilt-edge petals. H. H. A.



MARIGOLD EL DORADO

MIGNONETTE

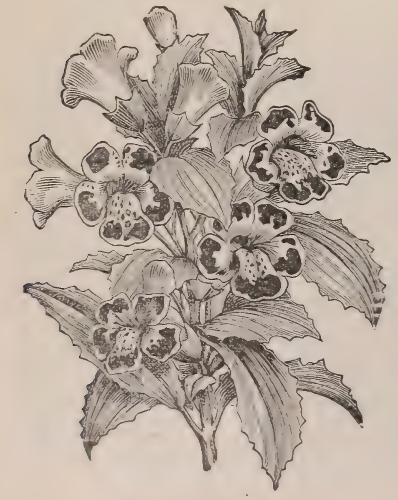
Every in- and outdoor garden should have Mignonette in plenty. By frequent sowings of seed its fragrant flowers can be gathered out-of-doors until frost, while inside it blooms the year round.

Sow indoors in February or March and thin out or pot off the plants so that they can be bedded out about April 15. Sow again in the fall for winter flowering. In the open air sow in rows in April, and at intervals thereafter for succession. The most fragrant flowers are grown upon poor soil. 1 foot. H. A.

2889. **Defiance.** A favorite sort for forcing under glass by florists. It produces immense spikes of very large, fragrant flowers. Pkt., 5c.

2892. **Grandiflora, or Large Flowering.** This is well-known Sweet Mignonette. Pkt., 5c.

2899. **Gabriele.** (New). Sweet, red flowers borne on broad, massive spikes. Nine inches. Pkt., 5c.



MIMULUS TIGRINUS

AFRICAN MARIGOLDS

2851. **El Dorado.** Extremely large double flowers, varying in shades from primrose yellow to deep orange. 3 feet. Pkt., 5c.

2856. **Lemon Queen.** This forms globular plants about 18 inches high. Double, flowers of bright shade. Pkt., 5c.

2858. **Double African.** Mixed. Pkt., 5c.

FRENCH MARIGOLDS

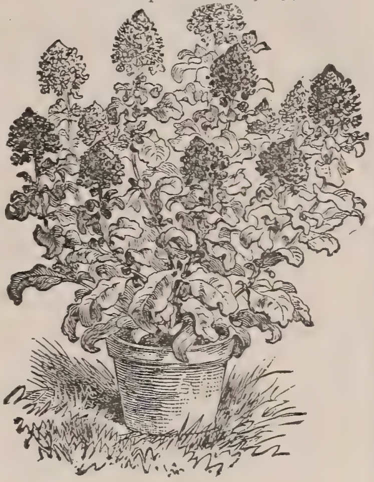
2859. **Legion of Honor.** Bright, star-like, single flowers. The broad, flat petals are of a rich golden yellow, each distinctly marked in the center with a band of velvety crimson-brown. Pkt., 5c.

2860. **Gold Striped.** Yellow and maroon. Pkt., 5c.

2865. **French Marigold.** Pkt., 5c.

2907. **MIGNONETTE Bismarck.** This comes from a noted European grower. A dwarf and improved strain of the famous Machet. Pkt., 10c.

2896. **M., New York Market.** Recommended for culture under glass. The plants grow tall and produce very large and compact flower spikes. Pkt., 15c.



MIGNONETTE, MACHET

MIMOSA PUDICA

(Sensitive Plant)

2916. Interesting plant with pinkish-white flowers. Its fern-like leaves are extremely irritable, closing and drooping when touched. H. H. A. Pkt., 5c.

2916. **Mimosa.** Pkt., 5c.

MIMULUS

These plants succeed best in rather moist ground and shady places. They bloom the first year from seed. Perennial if given house culture, and for outdoors. H. H. A.

2919. **Moschatus** (Musk Plant). Useful for hanging baskets. Small yellow flowers. The foliage emits a strong, musky perfume. Pkt., 5c.

2920. **Tigrinus** (Monkey Flower). Large flowers of various shades of yellow, splashed and dotted with crimson and maroon. 1 foot. Pkt., 5c.

We revise our list each season and eliminate varieties which have been superceded by better ones.

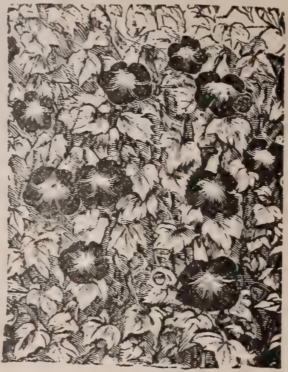
MATRICARIA

(DOUBLE FEVERFEW)

Neat plants of about 1 foot in height. They produce small double white flowers which are excellent for cutting.

2874. **Capensis, fl. pl.** Double white, fine. Pkt., 5c.

2875. **Exima Crispa, fl. pl.** Double white flowers and pretty curled foliage; 8 inches high. Pkt., 5c.



MAURANDIA

MAURANDYA

A plant of delicate and graceful beauty. It is one which should be better known. Graceful climber for greenhouse, parlor basket, or outdoor purposes.

2884. **Maurandia.** Mixed. Pkt., 5c.

MIGNONETTE, MACHET

Whether for growing in pots or out-of-doors, this fine Migonette stands preeminent. **Neither in the way of handsome foliage nor in the size of flowers can any of the other sorts approach it.** In the garden it blooms until frost.

The plants are **dwarf** in habit; the flowers are red, **three times as large** as ordinary Mignonette. They have a fragrance most delightful.

2914. **Machet.** Oz., 65c; pkt., 5c.

2915. **Golden Machet.** Pkt., 5c.

2905. **Golden Queen.** Large spikes of golden yellow flowers. Pkt., 5c.

2906. **Victoria.** Dark green foliage, large, rich, red flowers. Compact. 6 inches. Pkt., 5c.

2913. **Mignonette.** Mixture of many sorts. Oz., 20c.; pkt., 5c.

MIRABILIS

(Marvel of Peru, or Four O'clock)

Their beautiful flowers of various colors make a fine show in the afternoon.

2871. **Tall.** Mixed. Pkt., 5c.

2872. **Dwarf.** Mixed. Pkt., 5c.

MOMORDICA

(Balsam Apple and Pear)

Ornamental climbers, with pretty foliage and flowers, followed by handsome fruit, which, when ripe, bursts open, exposing the bright red seeds within. 10 feet. H. A.

3044. **Balsam Apple.** Pkt., 5c.

3048. **Balsam Pear.** Pkt., 5c.

LEMON VERBENA

3585. A much-esteemed house plant. Its foliage is delightfully fragrant. Comes true from seed and lives from year to year. Pkt., 5c.

LYCHNIS

(Ragged Robin)

2834. An old-time border plant; produces large heads of brilliant scarlet flowers. Succeeds in any good garden soil. Easy culture, blooms first year from seed. 2 feet. H. P. Pkt., 5c.

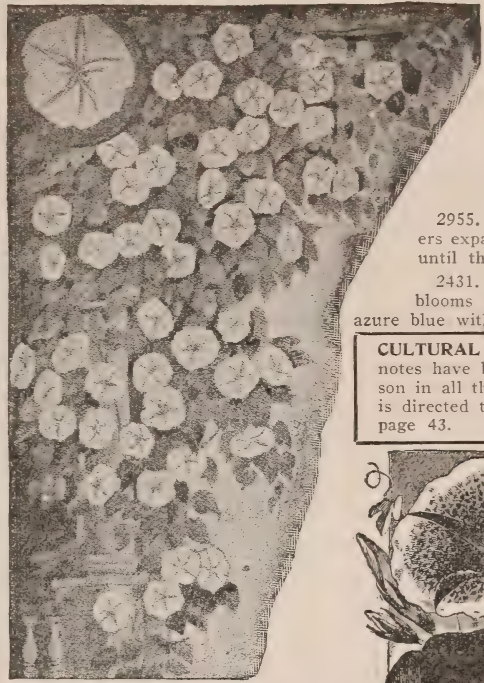
LOPHOSPERMUM

2840. **Scandens.** Highly ornamental annual climber with showy rosy purple flowers. 10 feet. Pkt., 5c.

LUPINS (Sun Dials)

Easily grown, showy plants, useful for beds and borders. Thrive in any soil. They have long spikes of pea-shaped flowers. 2 to 3 feet. H. A.

2804. **Tall Mixed.** Pkt., 5c.
2805. **Dwarf Mixed.** Pkt., 5c.
2806. **True Blue.** Pkt., 5c.



MOONFLOWER

(Ipomea Grandiflora)

Tall-growing, free-blooming climbers, related to the family of Morning Glories. As Moonflower plants have dense foliage, they are useful to cover trellis work, verandas, etc. Plant seeds out-of-doors when warm weather sets in.

2955. **New Hybrid.** Its large white flowers expand in the evening and remain open until the following day. Pkt., 5c.

2431. **Heavenly Blue.** This variety blooms in the forenoon. The flowers are azure blue with a yellow throat. Pkt., 5c.

CULTURAL NOTES. A great many cultural notes have been added to this book this season in all the departments. Special attention is directed to the notes on Flower Seeds, on page 43.

The Latest Novelties in FLOWER AND VEGETABLE SEEDS are illustrated and described on the front pages of this book. We ask for them careful attention and that you experiment with some of the new introductions. All come to us strongly recommended.

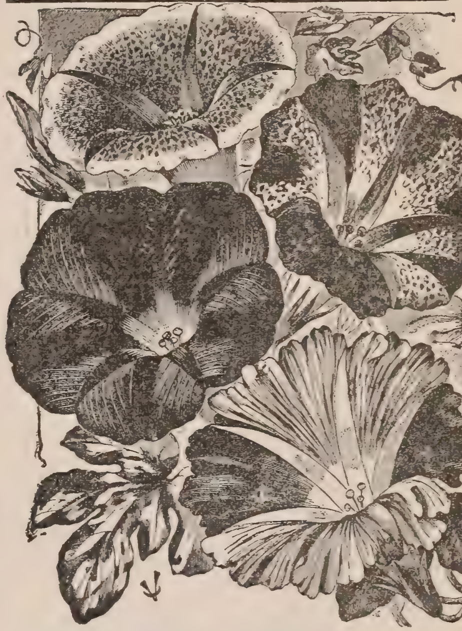
MORNING GLORIES

Rapid-growing annuals, useful for covering arbors, porches, and trellises. The foliage is pretty and every morning the vines are clothed with showy flowers in a variety of colors. Sow where plants are to bloom, as they do not transplant well.

2429. **Morning Glory.** Mixed colors. Oz., 10c; pkt., 5c.
2430. **Dwarf Morning Glory.** For bedding. Pkt., 5c.
2428. **Imperialis Japonica.** From Japan. Distinct strain, embracing varied types of foliage, combined with immense size of flowers and wonderful variety of colorings. Pkt., 5c; oz., 15c.

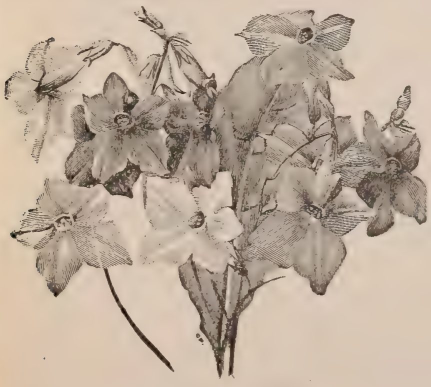
MUSA ENSETE (Abyssinian Banana)

2935. Foliage plant with dark-green leaves. Suitable for outdoor culture in summer. Seed should be sown early in hotbed or warm place and plants frequently repotted before set out permanently. Packet of 5 seeds, 15c.



JAPAN MORNING GLORY

NASTURTIUMS—See following page.



NICOTIANA SANDERAE

NICOTIANA

A species of tobacco. Hardy annual that is valuable as a pot or garden plant. Bears tube-like flowers which are fragrant towards evening. Excellent cut flower. Height variable.

3042. **Affinis,** white. Pkt., 5c.
3041 **Sanderæ,** carmine. Pkt., 5c.
3040. **Sanderæ.** Collection, 8 varieties, separate: purple, white, pink, dark and light red, crimson, violet, salmon. The collection, 25c.
3043. **Sylvestris.** White, 3 to 4 feet. Of branching habit, it shows up well when planted among Hollyhocks or Sunflowers. Its dark-green foliage forms a good background for scarlet Geraniums, Salvias, or other bright-colored plants. Pkt., 5c.

NIGELLA

3069. Fine garden plants, with pretty cut foliage and curiously formed double white and blue flowers. Sow in the open ground early in spring. 1 foot. H. A. Pkt., 5c.

Our patrons who purchase Seeds from this catalogue in **packets and ounces** may select in **packets and ounces** as follows: Seeds to value of $1.30 for $1.00; seeds to value of 65c for 50c; seeds to value of 30c for 25c. We also present one or more extras with every seed order.

Flower Garden Mixture More than one hundred varieties of easily grown and handsome flowering plants suitable for forming a beautiful garden, are put together in proper proportions and carefully mixed. They are very useful for sowing alongside of fences, and on any untidy bare spots of ground that are so frequently unsightly and which, if properly cared for and kept free from weeds, produce a continual display of bloom during the summer. Large pkt., 5c; oz., 25c.

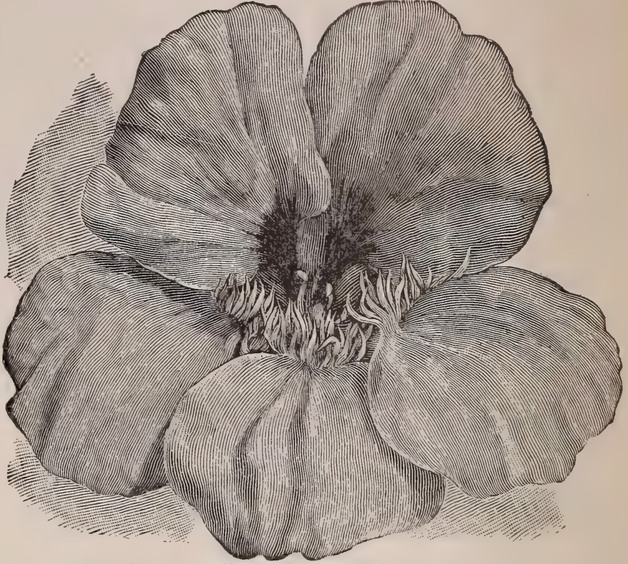
NASTURTIUMS

No other annual will produce such a lavish profusion for so long a time with the same small outlay of time and labor. The maximum of bloom is produced in thin soils, and never flags through the hottest weather. In soils too rich, leaves predominate and the plants are apt to rot off in wet weather, especially if standing too close.

TALL OR CLIMBING NASTURTIUMS

Price (except when noted): **Pkt., 5c; oz., 15c; postpaid.**

3150. **Atropurpureum.** Crimson, velvety.
3179. **Chameleon.** Crimson, bronze, yellow. Oz., 20c.
3160. **Coccineum.** Bright orange scarlet.
3[illegible]8. **Dunnett's Orange.** Bright orange, blotched.
3170. **Edward Otto.** Brownish lilac, velvety.
3155. **Heinmanni.** Pale brown or chocolate.
3168. **Hemisphericum.** Yellow and pink.
3128. **King Theodore.** Dark foliage; crimson.
3167. **Pearl.** Lemon, nearly white.
3149. **Regalinum.** Brownish red shaded with violet.
3166. **Scheuerianum.** Straw color, striped.
3148. **Schillingi.** Yellow, blotched maroon.
3180. **Sunlight.** Very large, rich golden yellow flowers.
3127. **Von Moltke.** Ruby rose.
3169. **Tall Nasturtiums, Mixed.** Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00; including most of the above.
3077. **Hybrids of Md. Gunter.** These are climbing Nasturtiums distinguished by dark-colored foliage and for **richness and variety of coloring** of the flowers, including shades seen in no other class. Pkt., 5c; oz., 10c.

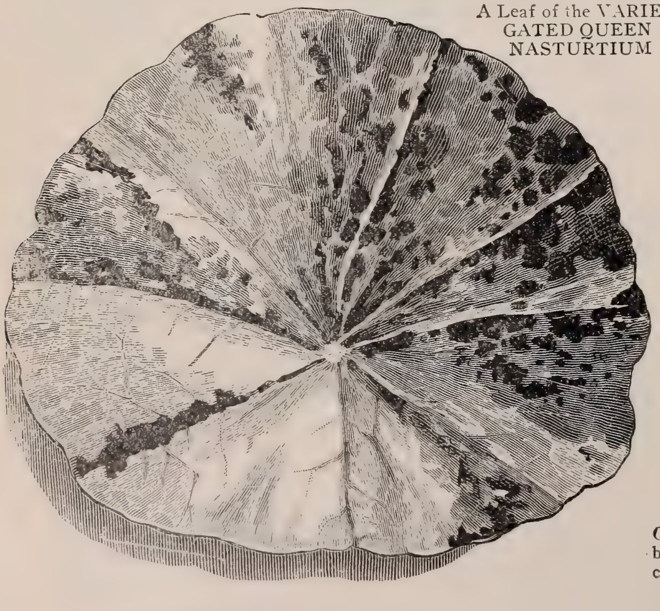

"SUNLIGHT" NASTURTIUM—*Natural size flower*

DWARF OR TOM THUMB NASTURTIUMS

PRICE (except when noted): **Pkt., 5c; oz., 15c; postpaid.**

Grand bedding plants. Their neat, compact growth—about one foot—richly colored flowers, free blooming and long lasting qualities, have made them general favorites. Nothing makes a finer show in the garden.

3125. **Aurora.** Chrome yellow.
3108. **Beauty.** Scarlet, splashed with canary yellow.
3178. **Chameleon.** Beautifully splashed and variegated flowers upon the same plant. Oz., 20c.
3119. **Cloth of Gold.** Golden foliage; scarlet flowers.
3082. **Coeruleum Roseum.** Bright cherry red; distinct.
3097. **Crystal Palace Gem.** Sulphur spotted maroon.
3114. **Empress of India.** Blue-green foliage, flowers crimson.
3087. **General Jacqueminot.** Brilliant crimson.
3093. **Golden King.** Dark foliage, orange yellow flowers.
3098. **King of Tom Thumb.** Dark-green foliage, glowing scarlet flowers.
3109. **King Theodore.** Velvety crimson.
3124. **Lady Bird.** Orange yellow; brown blotch.
3107. **Pearl.** Lemon or straw color.
3092. **Prince Henry.** Pale yellow, spotted with scarlet.
3100. **Ruby King.** Light ruby red.
3095. **Rose.** Tinted Salmon.
3094. **Scarlet.** A bright and vivid shade.
3099. **Spotted.** Orange, spotted with maroon.
3096. **Yellow.** Bright and clear.
3126. **Dwarf Nasturtiums Mixed.** In this will be found varieties of both light and dark colored foliage. The seed is so cheap it should be planted largely. Pkt., 5c; oz., 10c; ¼lb., 30c; lb., $1.00, postpaid.


A Leaf of the VARIEGATED QUEEN NASTURTIUM

LOBB'S NASTURTIUMS

Much more brilliant in coloring than the tall sorts. Splendid for hanging baskets, etc.

Price, any kind, Pkt., 5c; oz., 15c.

3185. **Cardinal.** Dark cardinal red; superb.
3190. **Giant of Battles.** Sulphur, spotted red.
3191. **Lucifer.** Richest, velvety, deep crimson.
3192. **Napoleon III.** Golden, striped carmine.
3197. **King of the Blacks.** Dark, deep brown.
3198. **Spitfire.** Brilliant scarlet; very effective
3199. **Lobb's Mixed.** Pkt., 5c; oz., 15c.

Variegated-Leaved Nasturtium

3200. **Queen.** This fine new variety comes true from seed, and will certainly please all who plant it. **It is a tall grower,** with blotched and striped foliage attractive in itself alone. The flowers are extremely beautiful; "brick red" best describes the color. Pkt., 20c.

CANARY BIRD FLOWER

2351. One of the finest of the Nasturtium family. Graceful foliage of a delicate shade of green. Flowers bright yellow, which have a fanciful resemblance to a canary bird with expanded wings. Pkt., 5c.

PANSIES Various Named and In Mixtures

Pansies thrive best in a cool, moist but well-drained soil, enriched with well-rotted barnyard manure or fine-ground bone. Seeds sown in spring in a partially shaded situation will produce fine plants for autumn flowering. The finest blooms are to be obtained, however, by sowing in July or August, giving the plants protection during winter, when they will bloom profusely in the spring and summer.

Various Named Pansies

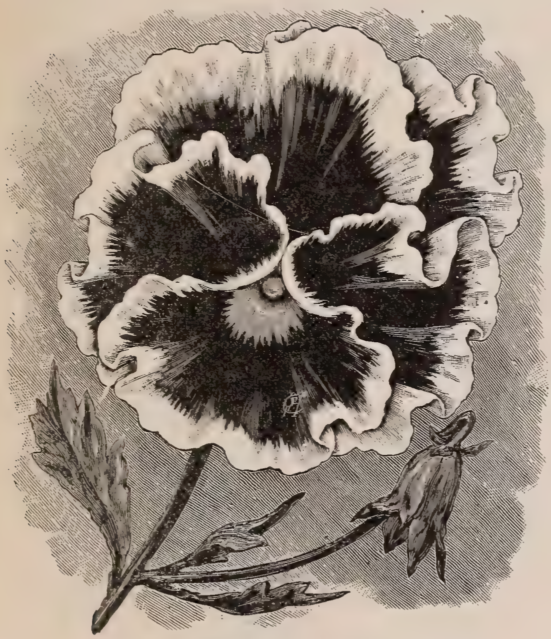
3304. **ANDROMEDA.** A lovely pansy. Color, delicate apple blossom, showing a lilac blue with darker veins. Pkt., 10c.

3245. **COQUETTE de POISSY.** Slate or mouse colored. Pkt., 5c.

3247. **TROPÆOLUM QUEEN.** Dark maroon flowers. Pkt., 10c.

3297. **MASTERPIECE.** Petals curled and twisted. Very large flowers more or less blotched and in combinations of color. The nearest approach to a double Pansy. Pkt., 15c.

3298. **HERO.** Crimped and curled deep blue flowers, the upper petals margined white. Pkt., 10c.



NEW PANSY PSYCHE

3303. **PSYCHE.** Fine form and color. A five-blotched flower, entirely surrounded with white. Pkt., 10c.

NEW GIANT PANSY—"Madame Perret"

3248. One of the best introductions of years. Leaves broad, rich, deep green; flowers three inches across, sometimes lined and striped, but usually of one color of some shade of red from very light to quite dark. Pkt. (about 150 seeds), 15c.

3265. **RAPHAEL.** A fine Pansy of the Bugnot class. The ground color of the flower is sky-blue; lower petals marked with a violet blotch. Pkt., 25c.

3305. **PRESIDENT CARNOT.** A strikingly handsome Pansy. Pure white petals each adorned with silvery margin. Always admired. Pkt., 5c.

3371. **FAIRY QUEEN.** Large sky-blue flowers with silvery margin. Always admired. Pkt., 10c.

3373. **HORTENSIA.** Light and dark rose-colored flowers with prominent blotches on petals. 10c.

3252. **SUPERB MIXTURE** of Trimardeau, Bugnot, Cassier, Odier and named Pansies. For immense size and free blooming qualities we unhesitatingly recommend this fine strain. 15c.

By hybridization and selection skilled specialists have greatly improved the Pansy, so that a new strain known as

Giant Flowered Pansies

has been developed. This, too, is constantly being improved upon by added colors to the extremely large flowers. In size the blooms are marvelous, some being **4 inches in diameter;** in beauty their magnificence is unsurpassed; in colorings they are superb and incomparable.

Our Pansy Seed is the very best that money will buy.

PRICE: Any of the following, per pkt., 10c; 3 for 25c., except as noted.

3246. **Giant "Fiery Faces."** Rich scarlet, with a gold edge and yellow center.
3253. **Giant Bugnot.** Large, round flowers, with shadings of colors not found in other Pansies.
3254. **Giant Cassier.** Three to five spotted; showy.
3255. **Giant Parisian.** Flowers beautifully blotched.
3256. **Giant Trimardeau.** Mixed; marked with three blotches on lower petals. Pkt., 5c.
3257. **Giant Auricula Colors.** Dark and handsome.
3262. **Giant Aurora.** Pure white. Finely flowered.
3263. **Giant Azure Blue.** Beautiful shade.
3264. **Giant Cole Black.** Jet black.
3270. **Giant Purple.** Rich and velvety.
3280. **Giant Emperor William.** Navy blue; purple eye.
3281. **Giant Five Spotted.** Petals blotched. Novel.
3290. **Giant Lord Beaconsfield.** Upper petals lavender, lower ones deep purple. A beauty.
3291. **Giant Snowflake.** Pure white.
3292. **Giant Spotted White.** Has dark blue blotches.
3293. **Giant Striped.** Pkt., 5c.
3294. **Giant Yellow.** Dark center. Yellow edge.
3295. **Giant Yellow Gem.** Clear yellow.
3296. **Giant Violet Blue.** A lovely pansy; large.

3249. **PANSY** **Barnard's Florists' Mixture.** This mixture is made chiefly for and is extensively. used by professional florists. Those who admire fine pansies should buy Barnard's Florists' Mixture. It contains seeds of all the best Pansies, including the newer varieties. A bed grown from this seed will give you a grand display. It is the BEST Mixture that money can buy. Pkt., 20c; 3 for 50c.

3250. **Giant Pansies, mixed.** Including the above and several other large-flowered sorts not obtainable otherwise than in this mixture. Pkt., 10c; 3 for 25c.

PRIZE PANSIES

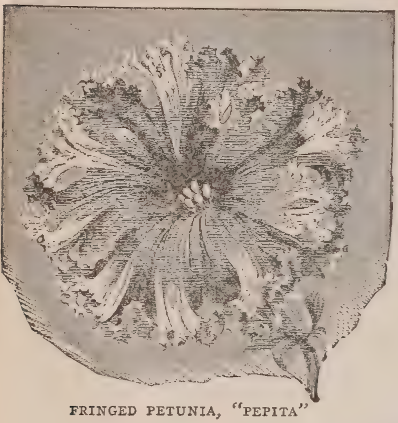
For liberal planting in the garden beds these fine sorts are the most desirable. The plants grow compactly and bloom continuously.

Any of the following, per pkt., 5c.

3306. **Azure Blue.**
3311. **Black.** Very dark.
3312. **Black and Crimson.**
3323. **Bronze Colored.**
3324. **Brown Shades.**
3325. **Candidissima.** White.
3326. **Cardinal.** Scarlet.
3336. **Dark Purple.** Rich.
3337. **Emperor Frederick.** Purple, scarlet and yellow.
3338. **Emperor William.** Blue with purple eye.
3339. **English Face Pansy.** Blue.
3345. **Fire King.** Yellow, upper petals red.
3346. **Golden Gem.** Yellow.
3347. **Gold Margined.**
3348. **Havana Brown.** Glossy.
3349. **Light Blue.**
3350. **Lord Beaconsfield.** Lavender shade of blue.
3351. **Mahogany Colors.**
3352. **Mottled and Striped.**
3353. **Odier, or Five = Blotched** flowers. Beautiful.
3359. **Peacock.** Maroon, purple and peacock blue.
3360. **Prince Bismarck.** Bronze, and light yellow.
3361. **Purple, white edge.**
3362. **Quadricolor.** Steel-blue, edged with red and white.
3363. **Silver Edge.** Dark purple, edged white.
3365. **Victoria.** Red, a rich and beautiful shade.

PRIZE PANSIES, Mixed

3251. All the above and others in proper proportion of colors and varieties. By picking off the blooms as soon as they begin to fade, the succeeding flowers will be much more numerous and of larger size than if they are permitted to go to seed. Pkt., 5c.



FRINGED PETUNIA, "PEPITA"

PASSION FLOWER

3222. A good climber, suitable for outdoor cultivation in the South in summer, but chiefly grown in greenhouses. Flower in several colors, composed of rays, afterwards succeeded by fruit. Mixed. Pkt., 5c.

PENTSTEMON

3227. Very ornamental plants that make a splendid effect in borders, etc. They bloom from June until late in the fall. The half-pendant bell-shaped flowers show beautiful shades and markings of scarlet, pink, white and blue. Sow in May in cool, shady place. 2 feet. H. P. Large flowering, mixed. Pkt., 5c.

PERILLA

These are handsome foliage plants with dark, ornamental, broad, and notched leaves. They grow about 18 inches high, and are used as background to geraniums and other bedding plants. H. H. A. *Start seed under glass.*

3238. **Nankinensis Atro Laciniatis.** Deep mulberry foliage, edges finely cut. 2 feet. Pkt., 5c.

Perennial Pea. **See Lathyrus.**

Purple Fountain Grass

(*Pennisetum Ruppellanum*)

3403. Suitable for edgings of flower beds, especially Cannas. In northern states, annual. Pkt., 10c.

3403a. **Longistylum.** Pkt., 5c.

3239. **Perilla Macrophylla.** 5c.

PETUNIAS. Single and Double

Few if any plants are more deservedly popular for bedding purposes, greenhouse or window culture. Their showy flowers, both single and double, are produced from early summer until late autumn. They bloom in a few weeks from seed, which being small, would better be sown indoors and the seedlings transplanted. T. P.

In some strains the flowers are very large, measuring four or five inches across; in others, they are deeply fringed; still others have star-like markings radiating from the throat and extending nearly or quite to the outer margin of the blossom; again, others have full double flowers.

Large Flowering Petunias

2968. **Giants of California.** Mammoth ruffled flowers marked and veined in many combinations in their deep yellow throats. Pkt., 10c

2970. **Fringed.** Beautiful, large flowers with fringed edges. Pkt., 10c.

2971. **Superbissima.** Grand velvet flowers of various colors and *veined throats.* Pkt., 20c.

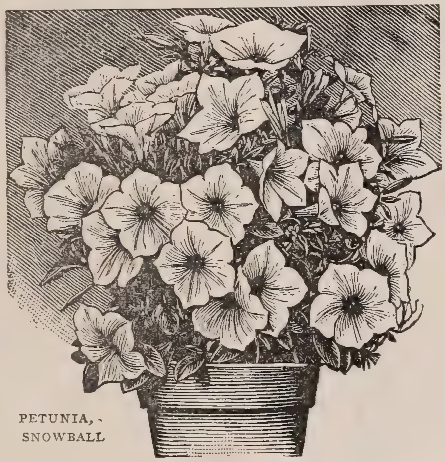
2974. **Large-flowered, mixed.** Recommended for pot culture. Pkt., 10c.

2958. **Canary Bird.** Distinct and clear yellow single flowers. This and its finely fringed blooms make it very desirable. Pkt., 25c.

2959. **Rheingold.** The widely open throat is golden yellow, without veins or netting; the outer margin is white. Pkt., 25c.

2963. **Quadricolor.** Its bright red rose flowers are veined for two-thirds of their surface with network. Pkt., 25c.

2986. **Pepita.** Illustration above shows flowers very much reduced in size. Single, fringed. Color, rich, deep carmine—nearly scarlet, bordered with white. Pkt., 25c.



PETUNIA, SNOWBALL

Bedding Petunias

Dense, bushy little plants, only about 8 inches high; the flowers, while not large, remain boldly expanded, and in their profusion fairly hide the plants for months; beautiful for garden beds, borders and edgings, and also beautiful subjects grown in pots.

2960. **Fine Mixed.** Pkt., 5c.

2961. **Dwarf Inimitable.** Cherry red with white star. Pkt., 5c.

2962. **Blotched and Striped.** Pkt., 5c.

2964. **Pure White.** Pkt., 5c.

2965. **Snowball.** The best white for bedding. Pkt., 5c.

2967. **Adonis.** Height and habit like Snowball. Carmine with white throat. Pkt., 5c.

2985. **Star.** Rich crimson with perfect star in center of each flower. Pkt., 10c.

GIANT DOUBLE PETUNIAS

The full, double petunias do not produce seeds. To procure double flowers one must use the seeds saved from single flowers which have been carefully fertilized by hand with pollen from the double ones. The seed we offer is the result of careful hybridization, and can be depended upon to give as large a proportion of double flowers as any.

2956. **Dark Crimson.** Each bloom is perfectly double and of the richest coloring. Of all the purposes it may be used for, it makes the best effect cultivated as a pot plant. Pkt., 50c.

2975. **German Empress.** Makes a fine, showy pot plant. The coloring is peculiar; delicate lilac rose, prettily striped and blotched cream. Flower shown in engraving is one-half natural size. Pkt., 50c.

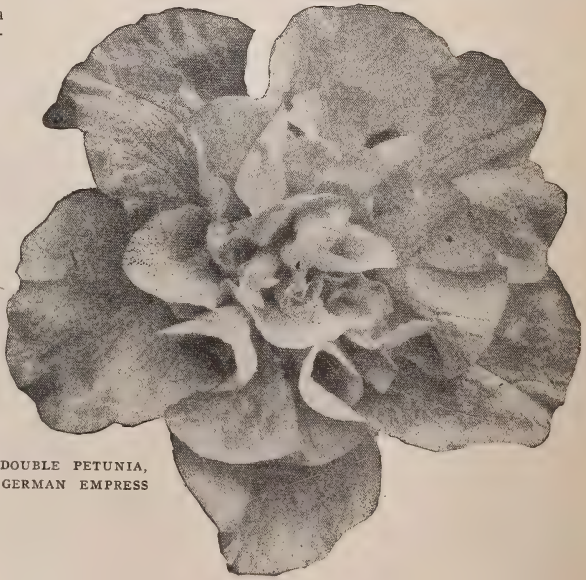
2980. **Lilliput.** Small flowers. Pkt., 25c.

2981. **Striped and Blotched.** Pkt., 25c.

2982. **Fringed.** Pkt., 25c.

2983. **Pure White.** Pkt., 25c.

2984. **Barnard's Mixture of Double Petunias.** Includes all the shades known. Pkt., 25c.



DOUBLE PETUNIA, GERMAN EMPRESS

PHLOX DRUMMONDII (Flame Flower)

The annual Phloxes are dazzling in effect, particularly so when sown in masses or ribbon beds. From June until October they maintain an endless display of brilliant and varied colored flowers.

The colors range from purest white to deepest blood-purple or crimson. Seed may be sown in the open ground any time after danger from frost is past, or in the hot-bed earlier, and transplanted. The seedlings should be set out about a foot apart; if too thick, mildew attacks them.

3458. **Phlox Drummondii.** The old-fashioned favorite variety, mixture contains all colors. Pkt., 5c; ¼oz., 15c; oz., 50c.

LARGE FLOWERING PHLOX

The large-flowering Phloxes show decided improvements in size, shape and color over the ordinary Drummondi class. The flowers are round the petals overlapping. 1 ft. H. A.

3419. Scarlet
3420. Pure White
3421. Rosy Carmine
3424. Chamois Rose
3429. Mixed
3422. Carmine White eye
3423. Blood Red

Per pkt., 5c; any 4 for 15c.

DWARF PHLOX

(*Nana Compacta*)

The little bushy plants rarely grow over 8 inches high. Throughout the entire season they are full of flowers. They are recommended for culture in pots, beds, or edgings of borders.

3439. **Pure White**
3444. **Red**
3445. **Blush Rose**
3450. **Rose**
3451. **Blood Red**
3452. **Mixed**

Per pkt., 5c.

DOUBLE PHLOX

Their flowers last longer than those of the single varieties.

3404. **White.**
3405. **Scarlet.**
3410. **Mixed.**

Each, per pkt., 5c.

STAR-SHAPED PHLOX

3434. Most attractive sort. The colors are about the same as in other Phloxes. Mixed. Pkt., 5c.

PINKS. See **Dianthus.**

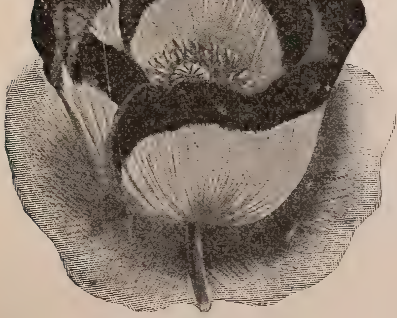
POLYANTHUS. See **Primula.**

PORTULACA

One of the best hardy annuals to grow in beds, baskets or in rockwork. Thrives in the hottest sun and is one mass of bloom all summer long. The flowers are very showy and of different colors.

3220. **Single, mixed.** Pkt., 5c.

3221. **Double, mixed.** Pkt., 5c.



ADMIRAL POPPY

A GROUP OF PHLOX DRUMMONDII SHOWING ALL THE TYPES

BARNARD'S PHLOX MIXTURE

3459. In this we include seeds of all the Phloxes above name except the hardy varieties. One pkt. will be ample for a large bed. If we ha but one flower to plant in the garden, it would be Phlox Drummondi in mixture. They are strong growing, healthy plants, with pretty foliage. Large packets, 5c.

HARDY PHLOX

3457. They are entirely hardy, grow tall, and thei large heads of flowers of various colors make a gran show in summer. The most admired sorts and best bloomers. Mixed. Pkt., 10c

POPPIES—Annual Varieties

Very showy. For beds or borders, with a background of green, they ar beautiful. Annual Poppies should be sown as early in the spring as possibl where they are to remain as they do not stand transplanting. Sow thinly, barel covering. **Single or Double Poppies,** any variety, pkt., 5c.

SINGLE POPPIES

2998. **Admiral.** A single, peony-flowered variety of surpassing beauty, having large smooth-edged flowers of glistening white with a broad band of brilliant scarlet around the top.

2993. **Tulip = Flowered.** Tulip - shaped, mixed.

2994. **Shirley.** A select strain of these beautiful Poppies, containing bright delicate colors in greatest variety possible.

2997. **Shirley, "Santa Rosa."** Beautiful crimped petals. Includes many lovely shades.

2995. **Miss Sherwood.** Large, satiny white flowers tinged with rose.

2996. **Single Mixed.** Annual sorts.

DOUBLE POPPIES

2992. **White Swan.** Of bushy habi beautiful fringed, pure-white flower

3001. **Peony Flowered.** Broad petale large Peony-like flowers.

3017. **Carnation Flowered.** Show fringed flowers; mixed colors.

3018. **Cardinal.** Deep green foliag scarlet flowers.

3019. **Double Poppies, mixed.** This i cludes all the double varieties, a will bring flowers showing many v ried tints and combinations of colo It is astonishing to see such lar flowers, some of them like doub Peonies.

HARDY PERENNIAL POPPIES

There are no flowers more ornamental and useful in our gardens than t various varieties of hardy Poppies. Once started, they increase in size and beaut each succeeding season. They are very easily grown from seed.

3026. **Iceland.** In bloom from June until frost. Excellent for cut flowers. Colo are white, scarlet, and yellow. Mixed. Pkt., 5c.

3028. **Orientale.** Color, deep crimson with a black blotch on each petal. Pkt., 5c.

Please remember that for 25 cents a customer may select any six 5-cent pac ets or any three 10-cent packets of flower seeds.

CHINESE PRIMROSES

Indispensable for winter and spring decoration in the house. Seed should be sown in February or March in a light, sandy soil, but slightly covered and kept moist. **Our seed in quality is second to none.**

Any of following, Pkt., 25c.
3476. **Alba.** Pure white.
3473. **Alba Magnifica.** Very large flowers, white, with yellow eye.
3476a. **Chiswick Red.** Bright crimson.
3477a. **Coccinea.** Scarlet, yellow eye.
3482a. **Cœrulea.** Blue, fine shade.
3475a. **Kermesina Splendens.** Carmine, large, yellow eye.
3474a. **Peachblossom.** Fine.
3477. **Red.** 3482. **Rose.**
3483. **Mixed Single Fringed.**
3474. **Fern Leaved, mixed.**

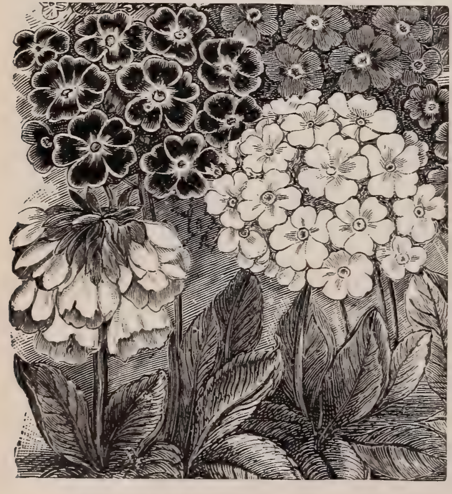
STAR PRIMULA

(Primula stellata)

3500. During recent years this highly decorative Primula has become one of the most popular house and conservatory plants, being **extremely free blooming** and continuing in flower **for a long time.** The Star Primula requires about the same cultural treatment **as** for Chinese Primrose. The cut flowers remain fresh in water **for many days.** Pkt., 25c.

The "Baby Primrose"

An excellent pot plant for the house, succeeding best in a cool room. The tiny, rose-colored flowers are borne on stems 10 to 12 inches high, well above the foliage. The young plants will produce larger flowers if the early formed ones are picked off.
3499. **Primula Forbesi.** Pkt., 15c.



POLYANTHUS (Primula Elatior)

Early spring flowering plants suitable either for outdoor or pot culture. Blooms profusely; colors, crimson, yellow, maroon, etc., laced and veined.
3498. **Polyanthus,** extra choice, mixed. 10c.

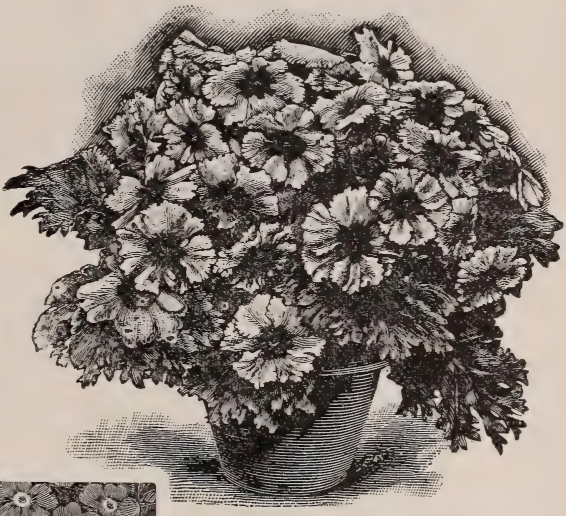
HARDY PRIMROSES

These are perennials, flowering in early spring following sowing the seed. In our climate they require protection in winter—a cold-frame placed over them being preferable. They like a cool place, alongside a north wall where there is moisture. H. H. P.

3471. **Auricula** (*P. Auricula*). Richly colored, fragrant flowers. Pkt., 10c.
3475. **English Primrose** *P. Vulgaris*). Yellow. Pkt., 10c.
3496. **English Cowslip** (*P. Veris*). Yellow. Pkt., 10c.
3497. **Japanese Primrose** (*P. Japonica*). Flowers one inch across, of shades of maroon, lilac, pink, white, etc., on long stems. Mixed colors. Pkt., 10c.

Double Fringed Primulas

Any of following, Pkt., 25c.
3484. **White.** 3489a. **Rose.**
3489. **Red.** 3494. **Mixed.**



CHINESE PRIMROSE, SINGLE

PYRETHRUM

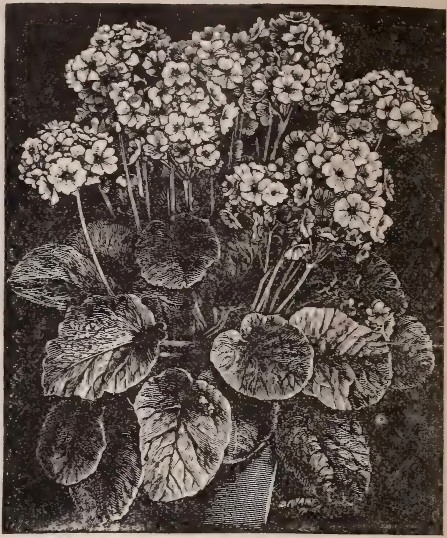
(Feverfew)

Yellow Foliage Sorts for Bedding
3460. **Aureum** (*Golden Feather*). Yellow Foliage. Pkt., 5c.
3465. **Golden Gem.** Double white flowers. Pkt., 5c.
3466. **Selaginoides** (*Fern leaved*). Dwarf foliage. Pkt., 5c.
3466a. **Giant=Flowered** (*Roseum*). Large Aster-shaped flowers in shades of white, pink, red, and purple. Blooms in June. H. P. Pkt., 5c.

RUDBECKIA

(Cone Flower)

A showy class of strong, easily cultivated plants, with bright flowers. July to September. H. A.
3471. **Bicolor superba.** Large, bright yellow, with dark spots. Hardy annual. 2 ft. Pkt., 5c.
3471a. **Fulgida variabilis.** New shapes and colors. 2 ft. Pkt., 5c.



PRIMULA OBCONICA

Ever-Blooming Primrose

3495. A distinct variety with rounded leaves of light-green color. The delicate little flowers are creamy white, tinted with lilac and borne on long stems. Pkt., 10c.
3502. **Obconica Grandiflora.** Bears larger and more flowers than the old type. 10c.
3504a. **White.** Pkt., 10c.
3504b. **Bright Rose.** Pkt., 10c.
3505c. **Crimson.** Pkt., 10c.
3504. **Obconica Fimbriata.** Large flowers, as handsomely *fringed* as those of the Chinese Primrose. Pkt., 10c.

Chinese Fringed and Obconica Primroses stand close to the head of the list of winter-blooming plants, which can be grown by the amateur.

PUERARIA (Japanese Kudzu Vine)
2720. Extremely rapid climber. Pkt., 10c.
3225. **PHYSALIS Francheti** (Japanese Ground-cherry). A hardy annual with ornamental, globular seed-pods of an orange-red tint and enclosing a cherry-like fruit of same color. 2 feet. **Pkt., 10c.**

RICINUS

(Castor Beans)

Rapid-growing plants with palm-like foliage and showy fruits. Used with decorative effect planted singly on the lawn or in the center of a Canna or Caladium bed. 6 to 15 feet. H. H. A.
3505. **Borboniensis.** 15 ft. Pkt., 5c. Large, deep-green foliage.
3506. **Sanguineus.** 10 feet. Dark leaves and clusters of red fruit. Pkt., 5c.
3507. **Zanzibarensis.** 15 feet. Leaves vary in color from light green to purplish red. Pkt., 5c.
3508. **Gibsonii.** 6 feet. Dark leaves. Dwarf branching habit. Pkt., 5c.
3509. **Ricinus, finest mixed.** 5c.

SALPIGLOSSIS (Velvet Flower)

3539. Strong bushy plants with curiously and beautifully penciled and marbled funnel-shaped flowers of richest colors. They are among the best fall flowers. 1½ ft. H. A. Pkt., 5c.

3543. **Emperor.** An extremely large-flowering variety, of branching habit (see illustration). The funnel-shaped flowers are beautifully penciled with gold and other colors. Mixed. Pkt., 10c.

SCARLET SAGE (Salvia)

The Scarlet Salvias are among the most brilliant red-flowering bedding plants in cultivation. They bloom from middle of July to frost. Massed in a bed, or set out a foot apart to make a hedge, they make a beautiful show. Sow seed early indoors or in a frame in time to get good plants to set out-of-doors the latter part of May, or when the weather is suitable. Grows 2½ to 3 feet. H. H. P.

Three New Salvias

Those who have never grown the more recent introductions in Salvias have little conception of the remarkable improvements achieved by skilled hybridizers.

3520a. **Triumph of Italy.** Grows about 20 inches high, extremely compact so that the stem is entirely concealed. The flowers are rose lilac in color, entirely different from any other. Pkt., 25c.

3519a. **Fireball.** A dwarf, early flowering sort, having very erect spikes of brilliant scarlet flowers a foot or more in length. When fully developed, the dark-green foliage is almost entirely hidden by the great mass of bloom. Recommended for pot culture and for bedding. Pkt., 15c.

3511a. **Zurich.** Said to be the best of the Scarlet Sages. It is more compact than Fireball, somewhat earlier, and blooms with equal freedom. As it grows only a foot high, it is suitable for pot culture. Pkt., 15c.

3510. **Argentea,** silver foliage, white flowers. Pkt., 5c.

3511. **Coccinea Hybrida,** dark crimson, dwarf. Pkt., 5c.

3512. **Patens,** deep blue. Pkt., 10c.

3513. **Splendens,** scarlet. Pkt., 5c.

3518. **Clara Bedman.** The spikes stand out stiff and erect, bearing a great profusion of flowers. One of the most handsome and showy, forming compact bushes. Pkt., 10c.

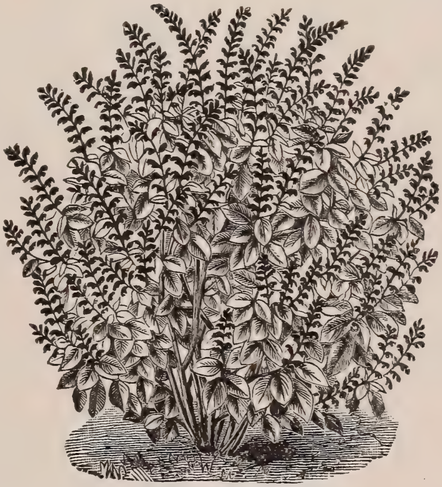
3510a. **St. Louis.** Scarlet. Pkt., 10c.

3519. **"Drooping Spikes."** The bright scarlet flowers are produced in such quantity that the spikes droop by reason of their weight. Blooms until late fall. Pkt., 10c.

3520. **"Silver Spot,"** rich green leaves, spotted with yellow; flowers scarlet. Pkt., 5c.

3521. **"Lord Fontleroy."** Its foliage is dark green, with very erect bright scarlet flowers. Pkt., 10c.

3512a. **"Burning Bush."** An early blooming sort with very large spikes of dazzling scarlet flowers. Blooms all summer and fall. Pkt., 10c.



SALVIA, CLARA BEDMAN

SALPIGLOSSIS, EMPEROR

SCABIOSA (Mourning Bride)

The Scabiosa is an old favorite, and of late years has been greatly improved. The flowers are borne on long wiry stems, in white, yellow, pink, scarlet, crimson, and maroon. Beautiful in the garden, and excellent for bouquets. 12 to 18 inches high. H. H. A.

3522. **Tall Double**..........Pkt., 5c

3523. **Dwarf Double**.......Pkt., 5c

3524. **Yellow**..............Pkt., 5c

3525. **Snowball**............Pkt., 5c

3526. **Caucasica.** Hardy perennial. Rather flat, pale blue flowers, 4 to 5 inches across, on strong stems. Excellent border plant. Pkt., 5c.

SCHIZANTHUS

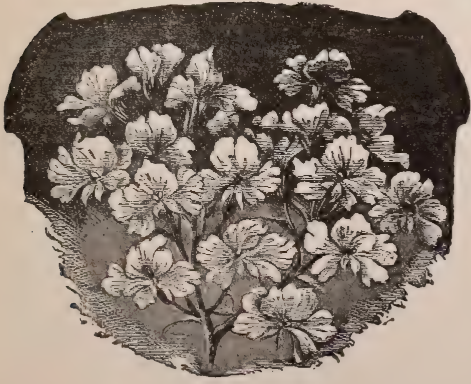
(Butterfly Flower)

An easily grown, free-flowering plant for garden or greenhouse, bearing peculiarly shaped and oddly marked flowers which are as handsome as Orchids. Sow out-of-doors when weather becomes warm. H. A.

3537. **Mixed Colors.** Pkt., 5c.

3549. **Grahami Niveus.** Snow-white flowers and bright green, finely cut foliage. Fine for bedding and bouquets. Pkt., 5c.

3550. **Wisetonensis.** The plants are covered with myriads of blooms, the ground color of which is white dotted with delicate rose, with a large spot on the upper lip ranging from soft pink to dark brown. A grand pot plant. Pkt., 10c.



SCHIZANTHUS GRAHAMI

SEDUM (Stonecrop)

Suitable for rock work, stone walls, edgings, and dry situations; their glaucous foliage and bright flowers invariably attract attention.

3527. **Sedum,** mixed. Pkt., 5c. H. P.

SILENE (Catchfly)

A beautiful genus of profuse blooming plants with bright and attractive flowers. Thrives in any garden soil. A.

3598. **Pendula Compacta.** Extensively used for edgings to flower beds. Mixed. Pkt., 5c.

SMILAX (Myrsiphyllum Asparagoides)

3538. A beautiful climber for the arch of a plant stand, wreathing it in a bower of the loveliest green. The finest foliage for bouquets, cut flower work, etc. Flowers white. *Soak seeds in warm water before sowing.* Pkt., 5c.

SOLANUM, Capsicastrum

2790. **(Jerusalem Cherry).** Small, pepper-shaped scarlet fruit. 1 foot. G. P. Pkt., 5c.

STEVIA, Serrata

3541. Free-blooming plants, bearing a multitude of fragrant pure white flowers; suitable for summer or winter blooming; largely used for cutting. Pkt., 5c.

STOCKS, TEN WEEKS

A great favorite, being one of the sweetest flowers for garden or conservatory. Profuse bloomer, requiring a light rich soil. Different sowings should be made from March to June for a succession of bloom in the garden.

Large-Flowering German Ten-Week Stock

		Pkt.			Pkt.
3554.	**Purple**	$0.10	3558.	**Light Blue**	$0.10
3555.	**Blood Red**	.10	3559.	**Crimson**	.10
3556.	**Pure White**	.10	3560.	**Canary**	.10
3557.	**Rose**	.10	3562.	**Mixed**	.10

3563. **Imported collection of 6 distinct colors, 25c.**

Dwarf-Forcing, Ten-Week Stock, Snowflake

3565. A Wall-flower leaved variety, the earliest of the Whites. Excellent for forcing. Produces large spikes of handsome flowers. Pkt., 15c.

PERPETUAL OR BRANCHING STOCK

3563a. **Bismarck.** Robust; grows 2½ ft. high. Pyramidal; flowers white; blooms late. Pkt., 25c.

3566. **Princess Alice.** (*Cut and Come Again*). Of tall branching habit, loaded with white flowers. Pkt., 10c.

3572. **Parisian.** Of dwarf habit, splendid for pots. Flowers are larger than German Stocks. Pkt., 10c.

NEW WINTER STOCKS

From seed sown in February or March, blooming plants may be had in four months, and a little more than half that period if sown in summer. These stocks, when cut, last a long time. 3573. **Beauty of Nice,** flesh pink; 3579. **Crimson King**; 3578. **Queen Alexandra,** rose lilac. Each pkt.above, 10c. 3570. **Giant Abundance,** rose. Extremely dwarf. Pkt., 25c.

SWEET PEAS

Seeds should be sown as early as possible, in drills 6 inches deep. At the time of planting, cover with 1 inch of soil only, and fill in the drill as the young plants grow, taking care not to cover the top of the plants. A deep rich soil and a sunny situation is best suited for their needs.

New Orchid-flowering Sweet Peas

The flowers are quite distinct from ordinary Sweet Peas in that they usually are borne three or four blossoms to the stem. We have room to briefly mention the choicest ones of most recent introduction. **Price, except noted: Pkt., 5c; oz., 10c.**

3874. **Countess Spencer.** Clear pink, deeper toward edge.

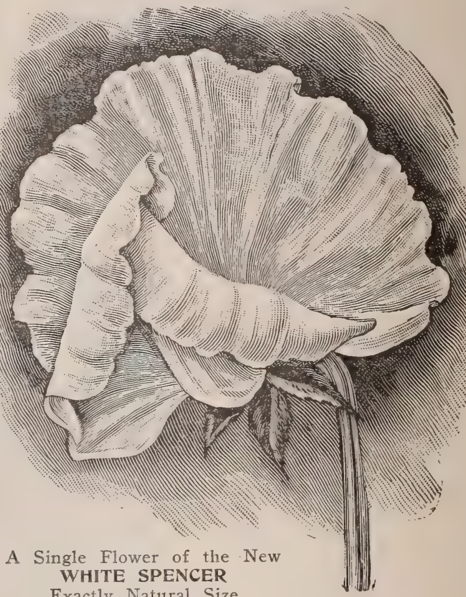
3873. **Gladys Unwin.** Pale rose pink. Long stemmed, early, and a splendid cut flower. A showy and sterling variety.

3880. **Helen Pierce.** White and mottled blue.

3874a. **King Edward VII.** Crimson scarlet; large and fine.

3879a. **John Ingman.** Carmine rose, veined deeper.

3870. **White Spencer.** Absolutely pure white, enormous flowers. The illustration shows one in exactly natural size. The standard is crinkled and fluted, and the wings closely folded. Seed very scarce. Pkt., 5c.



A Single Flower of the New **WHITE SPENCER**
Exactly Natural Size

STANDARD SWEET PEAS

Arranged by colors for convenience in selecting **Price, unless noted: Pkt., 3c; oz., 10c; ¼lb., 15c.**

WHITE

3684. **Blanche Burpee,** large.
3872. **Dorothy Eckford,** fine.
3729. **Emily Henderson,** early.
3871. **Mont Blanc,** earliest.
3847. **Sadie Burpee,** new.
3879. **Shasta,** new.

PRIMROSE YELLOW

3744. **Golden Gleam,** primrose yellow.
3830. **Mrs. Eckford,** primrose yellow.

PINK AND ROSE

3679. **Apple Blossom,** bright.
3687. **Blushing Beauty,** soft.
3767. **Katherine Tracy,** lovely.
3795. **Lovely,** shell pink.
3843. **Prima Donna,** rose.

PINK AND WHITE

3685. **Blanche Ferry.**
3723. **Earliest of All.**
3686. **Ex. Early Blanche Ferry.**

ORANGE AND SALMON

3745. **Gorgeous,** orange scarlet.
3773. **Lady Mary Currie,** orange.
3775. **Lady Penzance,** fine.
3829. **Mrs. Dugdale,** rose.
3863. **Venus,** salmon buff.

SCARLET AND CRIMSON

3801. **Mars,** fiery crimson.
3848. **Salopian,** fine scarlet.

STRIPED AND VARIEGATED

3678. **America,** striped scarlet.
3680. **Aurora,** salmon on white.
3758. **Juniata,** lavender stripes.
3824. **Mrs. Chamberlain.**

MAUVE AND LAVENDER

3705. **Countess of Radnor,** pale.
3712. **Dorothy Tennant,** rosy.
3724. **Emily Eckford,** light.
3774. **Lady Grisel Hamilton,** lavender.
3768. **Lady Nina Balfour,** mauve.

BLUE AND WHITE

3880. **Helen Pierce,** blue on white.
3785. **Lottie Eckford,** edged blue.
3800. **Maid of Honor.**

BLUE AND PURPLE

3693. **Captain of the Blues.**
3703. **Countess of Cadogan,** violet.
3837. **Navy Blue,** deep.

MAROON

3683. **Black Knight,** dark.
3689. **Boreatton,** maroon.
3850. **Shazada,** dark maroon.
3840. **Othello,** chocolate.
3860. **Stanley,** rich purple.

CUPID OR DWARF

3868. **Beauty,** rose.
3869. **Boreatton,** purple.
3708. **White.** 3709, **Pink;** 3710, **Mixed.**

Price of "Cupids," Pkt., 3c; oz., 10c.

SWEET PEAS IN MIXTURE

The seed is not grown mixed, but is blended by ourselves. We use the choicest varieties, and the colors are carefully proportioned.

3866. **Light Colors Mixed.** Pkt., 3c; oz., 5c; ¼lb., 15c; lb., 50c, postpaid.

3867. **All Colors Mixed.** Gives excellent results. Pkt., 3c; oz., 5c; ¼lb., 10c; lb., 35c, postpaid.

3865. **ROYAL MIXTURE**
Pkt., 3c; oz., 7c; ¼lb., 20c; lb., 60c.

There are pure whites and white striped with other colors, fiery scarlets, blues, steel and purple, pink, all shades; orange, yellow, so many we can not specify. *There is nothing cheap about this superb mixture except the price, and that is reasonable.*

3677. DOUBLE SWEET PEAS, **Large and beautiful flowers,** mixed colors (some semi-double). **Pkt., 5cts.; oz., 10 cts.**

STOKESIA CYANEA.

(Cornflower Aster.)

2400. This desirable plant for cut flowers. Easily raised from seed and will bloom first year if sown early. Flowers light lavender blue; in bloom from July until frost. H. P. Pkt., 5c.

SWEET SULTAN

(*Centaurea Imperialis.*)

2396. The plants are covered with *large, fragrant flowers* which are of various colors and desirable for cutting. Pkt., 5c.

SWEET WILLIAM.

(DIANTHUS BARBATUS.)

For bedding, bordering or cutting, this favorite is invaluable. Of vigorous growth and extremely easy culture, bearing fragrant masses of rich flowers. 1½ feet. H. B.

3540. **Giant-Flowered Double.** Very large flowers, in great variety of colors, on stiff stems. Pkt., 10c.

3539. **Single, mixed.** Produces large trusses of single flowers. Pkt., 5c.

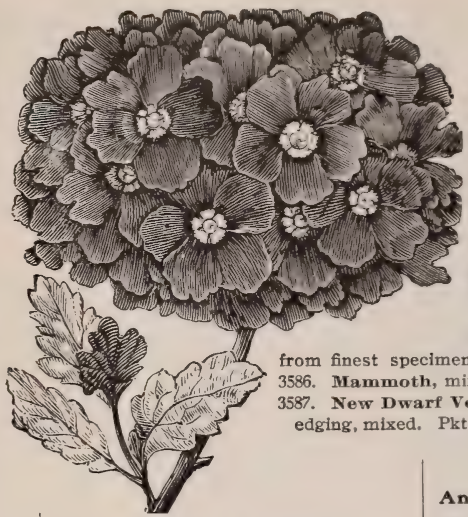
THUNBERGIA.

3580. Trailing plants for hanging baskets and vases. Flowers trumpet-shaped; buff, white, orange, etc., mixed. Pkt., 5c.

TORENIA.

Torenias are beautiful plants for vases, baskets and pots. They bloom continuously during the summer in the open ground and in winter in greenhouses.

3581. **Nymph.** Light blue. Pkt., 10c.
3582. **Fournieri compacta.** Pkt., 10c.
3583. **Fournieri.** Porcelain blue. 10c.
3588. **TRITOMA Grandiflora.** Orange-red flowers on tall spikes, 4 to 5 ft. high. H. P. Pkt., 5c.



VERBENA.

One of the most popular of bedding plants, easily grown from seed, producing stronger, more vigorous and better plants than from cuttings. Start seed in the early spring, in the house or under glass, and transplant where they are to bloom, after three or four inches of growth have been made. 1 foot. H. H. P.

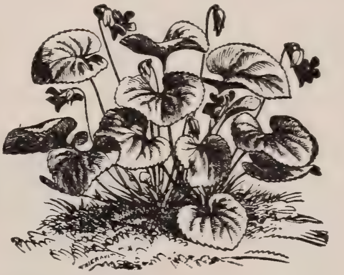
MAMMOTH VERBENA

An improved strain, producing immense flowers. Our strain is saved from finest specimens only.

3586. **Mammoth,** mixed. Pkt. 10c.
3587. **New Dwarf Verbena.** The best for bedding and edging, mixed. Pkt., 5c.

Lemon Verbena.

3585. This plant is esteemed for its *sweet scented foliage.* Comes easily and true from seed. Pkt., 5c.



VIOLET. (Viola Odorata.)

They thrive best in a shady place, in moist, rich soil. *Double Violets do not form seeds.* H. H. P.

3614. **Single Blue.** Pkt., 5c.
3625. **Single White.** Pkt., 5c.

Verbena Hybrida.

Any of the following. Pkt., 5c.

3589. **Pure White.**
3590. **Vivid Scarlet.**
3591. **Striped.**
3592. **Purple.**
3593. **Blue Shades.**
3594. **Choice Mixed.**
3595. **Mayflower.** Has the habit of and pink flowers of the trailing Arbutus. Delightfully fragrant. Pkt., 5c.
3596. **Auricula Flowered.** Large, bright colored flowers, each with white eye. Much admired. Pkt., 5c

VINCA. (Madagascar Periwinkle.)

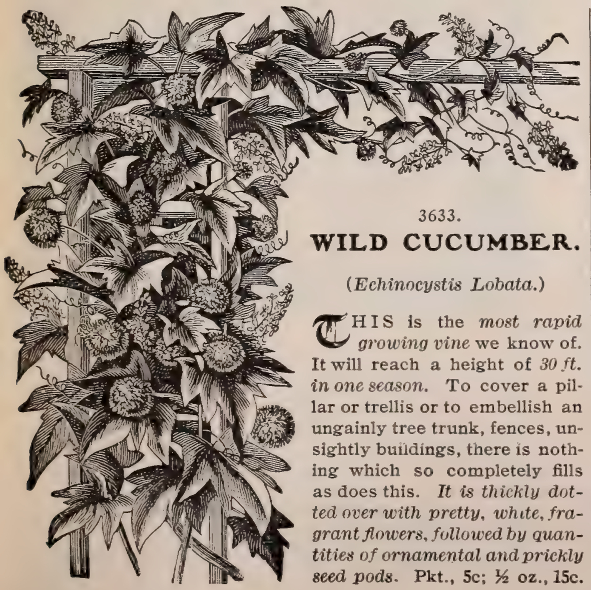
Handsome bushy plants. Sown in March, transplanted in May, will bloom first summer in garden. Taken up in fall and potted will flower during winter 1½ feet. T. P.

3645. **Rosea.** Fine shade of rose. Pkt., 5c
3646. **Rosea Alba.** White and pink. 5c.
3647. **Rosea Alba Pura.** Pure white. 5c.
3648. **Mixed.** Above varieties. Pkt., 5c.

WALLFLOWER.

The large, massive spikes of the Wallflower are very conspicuous in beds or borders, and are very useful in making bouquets. They are deliciously fragrant, and combine many shades of color in orange, purple, and chocolate.

3626a. **Kewensis.** Black-brown flowers. Pkt., 10c.
3626. **Double,** mixed. Pkt., 5c. 3627. **Single,** mixed. Pkt., 5c.



3633.

WILD CUCUMBER.

(*Echinocystis Lobata.*)

THIS is the *most rapid growing vine* we know of. It will reach a height of *30 ft. in one season.* To cover a pillar or trellis or to embellish an ungainly tree trunk, fences, unsightly buildings, there is nothing which so completely fills as does this. *It is thickly dotted over with pretty, white, fragrant flowers, followed by quantities of ornamental and prickly seed pods.* Pkt., 5c; ½ oz., 15c.

ZEA (Japanese Striped Maize)

3676. Grows 5 to 6 feet high. The foliage is striped with broad bands of white, changing soon to narrow stripes or ribbons of alternate clear white and brightest green. Pkt., 5c.

ZINNIAS (Youth and Old Age)

3653. **Giant Flowered.** *The best of all Zinnias.* Flowers brilliant, double, 5 to 6 inches across, mixed. Pkt., 5c

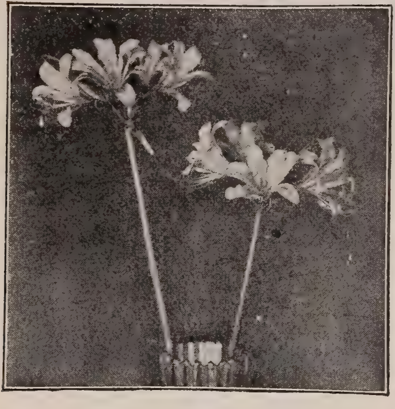
LARGE FLOWERING DWARF DOUBLE ZINNIAS.

3654. **White.** Pkt., 5c.
3659. **Scarlet.** Pkt., 5c.
3660. **Orange.** Pkt., 5c.
3665. **Canary.** Pkt., 5c.
3666. **Crimson.** Pkt., 5c.
3667. **Mixed.** Pkt. 5c.
3670. **Crested and Curled.** Colors orange, purple, pink, rose. Flowers with twisted and curled petals. Pkt., 5c.
3669. **Zebra.** Flowers striped, spotted, and blotched. Nearly every flower is different in markings. Pkt., 5c.
3672. **Double Mexican.** A dwarf-growing class much admired for its extra fine flowers, mixed. Pkt., 5c.
3673. **Tall Double,** mixed. Many colors. Pkt., 5c.
3674. **Dwarf Double.** mixed. Splendid variety. Pkt., 5c.

Bulbs and Bulbous Roots for Spring Planting

THERE is nothing in floriculture which, to the amateur, will be attended with as great satisfaction or give as grand results as the cultivation of this class of flowering plants. Set out in early spring they bloom all summer. No matter if planted solely to beautify the home grounds or cultivated by the small boy as his first step to profitable floriculture, the returns will be equally gratifying. *They are of easiest culture, inexpensive, and require scarcely any care.* Most of these bulbs should be taken up before severe frost and stored away in a frost-proof cellar, if possible in dry sand, to preserve for replanting the following spring.

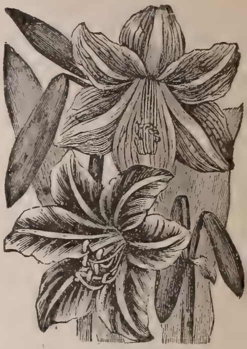
Prices Given Below Include Prepayment by Mail or Express, Except Where Otherwise Noted.


HALL'S HARDY AMARYLLIS

AMARYLLIS

There are many species of Amaryllis, all producing large, drooping, lily-like flowers, varying in color from richest crimson and scarlet to pure white and striped with crimson or scarlet. Some of the flowers measure from 6 to 9 inches across.

All of the varieties here listed are of the easiest culture. They succeed best in turfy loam into which well-decayed manure has been mixed. They should be given water very sparingly until the leaves appear. With a little care a constant succession of bloom may be had throughout the year. Winter the bulbs in house or cellar. If in pots, do not remove from soil.


JOHNSON'S AMARYLLIS

Atamasco Alba (Fairy Lily). Three to four bulbs to a five-inch pot; for the garden, set out in spring and lift in autumn like Gladiolus. White flowers. Each, 5c; doz., 50c.

A. Rosea. Rose-pink flowers, 3 to 4 inches across. Each, 5c; doz., 50c.

Formossissima (Jacobean Lily). Will bloom in water like a Chinese Lily. Flowers appear in advance of foliage. Dark scarlet flowers, in early summer. Each, 10c; 3 for 25c.

Johnsoni (Barbadoes Spice Lily). Large trumpet-shaped flowers, with a white stripe through each petal. A favorite and well-known variety. First size bulbs, each 25c. Large selected bulbs, each 25c; 3 for $1.00.

Hall's Hardy Amaryllis

A rare bulbous plant, botanically known and widely advertised as **Lycoris Squamigera.** It is useful to set out in shrubby borders. Needs no special culture; perfectly hardy.

"In early spring the foliage appears in long, strap-like, light-green leaves, which die away in July, to be succeeded late in August by the wonderfully effective, soft pink flowers with faint metallic tinges of lavender." The flower stalks are two feet high, and several flowers are borne upon each one. Each, 35c; 3 for $1.00.

TUBEROUS-ROOTED BEGONIAS

They are general favorites for bedding and pot culture. The plants are literally covered with dazzling flowers of immense size and make a most effective and beautiful display if planted in beds on the lawn, 12 inches apart. Started in the house during March and April, the first flowers will appear in June and increase with the season. Unstarted bulbs put into the open ground in May or later, will give good results. After blooming all summer, the bulbs may be taken up in November, dried off and stored away in a cool place until spring. *We secured the strain of Tuberous-Rooted Begonias we offer, from a celebrated Belgian grower, who has taken the highest premiums wherever his collections were exhibited.*

Single-Flowering Begonias in separate colors, White, Red, Scarlet, Rose, Dark Pink, Orange, Yellow, or all colors mixed. Each, 5c; doz., 50c.

Frilled Tuberous-Rooted Begonias

A most unique form, with very large single flowers which are entirely distinct, the petals being wavy and beautifully frilled on the edges similar to the newer forms of Petunias. Scarlet, crimson, white, pink, and yellow. Each, 20c; doz., $2.

Selected Double Begonias

Lafayette. Rich brilliant scarlet. Unexcelled for bedding. Stands hot sun without wilting. Each, 25c; doz., $2.75.

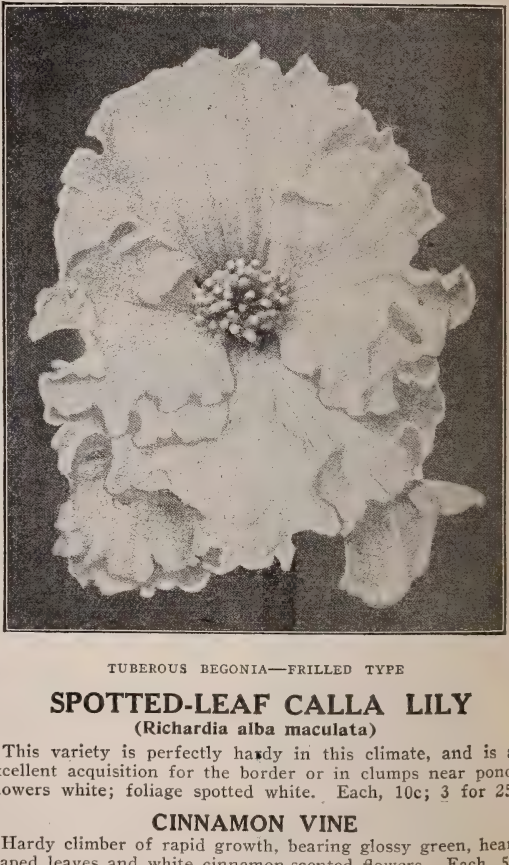
Double in separate colors, white, red, rose, dark pink, orange, yellow. Each, 15c; doz., $1.25.

Double, all colors mixed, each 10c; doz., $1.00.

CALADIUM (Elephant's Ears)

A most showy, ornamental plant either as specimen or in groups. Produce enormous leaves that often measure 2 to 3 feet in width and 3 to 4 feet in height.

Grade	Diameter	Prepaid		Not prepaid
First Size Bulbs	1½ to 2 in	$0.15	each	$0.10
Extra Large Bulbs	2 to 3 in	.25	"	.15
Mammoth Bulbs	4 to 6 in	.40	"	.25


TUBEROUS BEGONIA—FRILLED TYPE

SPOTTED-LEAF CALLA LILY

(Richardia alba maculata)

This variety is perfectly hardy in this climate, and is an excellent acquisition for the border or in clumps near ponds. Flowers white; foliage spotted white. Each, 10c; 3 for 25c.

CINNAMON VINE

Hardy climber of rapid growth, bearing glossy green, heart-shaped leaves and white cinnamon-scented flowers. Each, 5c; doz., 50c. Extra large tubers, each 10c; doz., $1.00.

SELECT CANNAS

List of Choicest Varieties in Cultivation

We offer the dry tubers only, and make shipment of them when danger from frost is past. If the dry roots, when received, are not at once planted either in pots or out-of-doors, they may be hastened into growth by watering and keeping in a warm place until the sprouts have attained some length.

Cannas should be planted in good, rich garden soil, mixed with old rotted stable manure. Water sparingly at first after planting; when growing freely, water very liberally. Plants should be set eighteen inches apart each way, and if more than one variety is used, be careful to plant the taller growing ones in the center and the dwarf ones around the edge, if planted in beds.

Six Grand Cannas of Recent Introduction

Black Beauty 5 to 6 feet. Rich, dark-colored leaves; glistening bronzy-purple shaded black, with crumpled margins. Flowers are insignificant; foliage is subtropical in effect. Each, 20c; doz., $2.00.

King Humbert 4 ft. Broad, coppery-bronze leaves. Flowers orange-scarlet with red markings. Bold and effective. One of the finest Cannas in cultivation. Each, 20c; doz., $2.00.

Mont Blanc **The White Canna.** 3½ ft. Has creamy-white flowers with well-rounded petals. Contrasts well with highly colored sorts as the flowers are almost pure white. Each, 15c; doz., $1.50.

Mlle. Berat 5 ft. Soft rosy carmine. The nearest approach to a pink. A first class bedding variety. Vigorous, yet compact. Each, 15c; doz., $1.50.

Pillar of Fire 6 to 7 ft. Invaluable for centers of beds. Flowers crimson-scarlet like blazing torches. Continuous bloomer. Each, 15c; doz., $1.50.

Richard Wallace 4½ ft. In color it is a pleasing yellow, with exceptionally large flowers which are carried well above the green foliage. Each, 20c; doz., $2.00.

ORCHID-FLOWERED CANNA

Well-Tried Cannas, Standard Sorts

This list has been carefully revised and the best of the newer Cannas included. Unless stated to the contrary, foliage is green. Early orders for this stock are advisable.

Orchid or Large Flowering	Each	Doz.
Allemania, 6 ft., red and yellow border	$0.10	$1.00
Austria, 6 ft., canary yellow, spotted red	.10	1.00
Burbank, 4-5 ft., clear yellow	.10	1.00
Italia, 5 ft., yellow, blotched crimson	.10	1.00
Indiana, 5 ft., reddish orange, beautiful	.10	1.00
King Humbert, 4 ft., orange scarlet with red markings, **Bronze Foliage**	.20	2.00
Mrs. Kate Gray, 6 ft., scarlet and yellow	.10	1.00
Pennsylvania, 5-6 ft., brilliant scarlet	.10	1.00
Wyoming, 7 ft., orange-colored flowers	.10	1.00

Red Flowering		
Alphonse Bouvier, 5 ft., crimson	.10	1.00
Chas. Henderson, 3½ ft., bright crimson	.10	1.00
Crimson Bedder, 3½ ft., intense scarlet	.10	1.00
Duke of Marlborough, 4 ft., rich crimson	.10	1.00
Explorateur Campbell, 5 ft., scarlet, dotted with deep, rich crimson	.10	1.00
George Washington, 3½ ft., dark crimson	.10	1.00
Papa Nardy, 4½ ft., currant red	.10	1.00
Pillar of Fire, 6 ft., bright crimson	.15	1.50
Queen of Beauty, 5 ft., best of all scarlets	.10	1.00
Secretaire Chabanne, 4 ft., orange striped	.10	1.00

White and Pink Flowering		
Alsace, 3½ ft., creamy white	.10	1.00
Charles Mohlin, 4½ ft., salmon pink	.10	1.00
L. Patry, 4½ ft., rosy pink	.10	1.00
Martha Washington, 3 ft., bright rose	.10	1.00
Mlle. Berat, 4½ ft., carmine pink	.15	1.50
Mont Blanc, 3½ ft., almost pure white	.15	1.50

Yellow Flowering	Each	Doz.
Buttercup, 3½ ft., golden yellow	$0.10	$1.00
Florence Vaughan, 4½ ft., yellow, dotted red.	.10	1.00
Richard Wallace, 4½ ft., large yellow	.20	2.00

Variegated Flowering		
Mad. Crozy, 2½ ft., scarlet gilt edge	.10	1.00
Director Holtze, bright yellow	.10	1.00
Queen Charlotte, 3 ft., scarlet, gilt edge	.10	1.00
Souv de A. Crozy, 3½ ft., crimson with gold band; flowers last a long time	.10	1.00

Bronze Foliage		
Jupiter, 5 ft., dark pink flower	.10	1.00
King of Bronzes, 7 to 8 ft.	.10	1.00
King Humbert, 4 ft., orange and scarlet, with red markings; bold and effective	.20	2.00
Marechal Valliante, 7 ft., one of the best	.10	1.00
President Carnot, 7 ft., orange scarlet	.10	1.00
Egandale, 4 ft., currant red flowers	.10	1.00
Brandywine, 4 ft., red flowers	.10	1.00
David Harum, 3½ ft., vermilion scarlet	.10	1.00
Graf Waldersee, 4 ft., orange red	.10	1.00
J. D. Cabos, 5 ft., apricot	.10	1.00
Eastern Beauty, 4½ ft., soft pink	.10	1.00
Shenandoah, 5 ft., large salmon flowers	.10	1.00

Cannas in Mixture

Red Shades, mixed.
Yellow Shades, mixed.
White and Pink, mixed.
Variegated Flowering.
Orchid Flowering, mixed.
Bronze Foliage Varieties.
All Sorts, mixed.

Each, 8c; 3 for 20c; 6 for 35c, postpaid.

6 New Dahlias—Every One Different

THIS **Garden Set of Dahlias** was planned to provide a variety both in plant and flower. It contains **2 Paeony Flowered, 2 Decorative, and 2 Pompon Sorts.** No two are in any way similar, and all are desirable for the home garden. When properly grown and cared for, will give you a whole flower garden. In recent years, owing to the introduction of many beautiful new varieties, Dahlias are great favorites everywhere. Nor is this difficult to understand considering that Dahlias are easy to grow, commence to bloom in July and August, and are thereafter a mass of bloom until cut down by frost. The cut flowers are much in demand for decorative purposes, meeting with ready sale almost everywhere put on the market.

THOMPSON'S GARDEN SET

The fine Dahlias comprising this set are all new and valuable improvements over existing varieties. Chicago is one of the grandest flowers of recent introduction, and will surprise every one with its richness of coloring and magnificent growth, although somewhat dwarfish in habit.

The two Peony-flowered varieties are specially good in their class, being also different in both form of growth, and color and form of flower.

As will be noticed at the bottom of page, we make a low price for the whole set of six. Every one should have the full set. If, however, any particular variety is wanted, we will supply as follows:

	Each
DEEP RED PEONY	$0.30
ART YELLOW	.30
SILVERED	.30
CHICAGO	.75
BLUSH PINK	.30
BLUE BELL	.30

Chicago The grandest flower for the garden of recent introduction. The plant is of the Decorative class, strong, aggressive in growth, making a beautiful well-formed, symmetrical bush, that the wind will not destroy. In color (its richness can not be described) from intense crimson, shading to light salmon, with the beautiful blendings of dark orange, making at once a flower never to be forgotten. The magnificent bloom shown in the engraving (made from a photograph) measured 7¼ inches in diameter.

Silvered It makes a bushy plant from 20 to 24 inches in height. The foliage is bright and glossy. Pleasing yellow flowers, petals neatly tipped with white. Each bloom is 2 to 3 inches in diameter, perfectly double.

Blue Bell Bright bluish magenta flower. An abundant bloomer. Grows 2 to 3 feet high, forming a compact bushy plant that will not easily blow down.

NEW DAHLIA—CHICAGO

NEW DAHLIA—SILVERED

Blush Pink Flower 3 to 3½ inches in diameter. Outer petals a suffused pink blush. They resemble those of Nymphæa in shape, but are a trifle smaller. Its long stems make it fine for cut flower decorations. It is an abundant bloomer and very satisfactory.

Deep Red Paeony A good 4-inch flower on stems 18 inches long. Verges toward double and sometimes on the magenta for color. It is a very strong grower sometimes reaching 5 feet in height.

Art Yellow This is one of the best of the new Pæony-flowered varieties, that have gained so rapidly in popular favor during the past two years. Mammoth 6-inch flowers, with beautifully incurved petals. Color clear lemon yellow. The plant grows into a fine bush that is not easily blown over, and gives satisfactory bloom.

Garden Set of 6 New Dahlias Put up in a neat box, (each Dahlia in a separate bag) with full description and cultural directions, **$1.25.**

Please Send Orders Early We expect to fill all orders for Dahlias as soon as weather permits shipping secure from effects of frost. We send out dry, dormant divided roots up to about May 1. The right to substitute growing plants later in the season, in case our stock of dormant tubers becomes exhausted, is reserved.

DAHLIAS

To the growing of Dahlias both for cut flowers and tubers, we devote a large acreage at our nursery. The selection below comprises the cream of our stock and includes such as we have in liberal supply. If you do not find here what you desire in Dahlias, write us as we have a number of other choice sorts, but in too limited quantity to specify them. We send dormant, divided roots as soon as weather will permit, up to about the latter end of May.

Any of the following (except noted), each, 15c; per dozen, $1.50 postpaid. Larger roots, by express, at same price, buyer to pay transportation.

Show and Fancy Dahlias

Show Dahlias have large-well-formed flowers, showing solid colors; occasionally they may have shaded tips. Fancy varieties are those that are striped or otherwise variegated.

Gloria **The Purest Yellow found in Dahlia.** Our own introduction. Good for the florist or the home garden. See illustration on page 4.

Dahlia Gloria is one of the finest of recent introduction. Color, purest yellow, of an even, rich appearance. Plant grows erect and bushy; not easily blown down. Produces large quantities of handsome flowers which are beautifully quilled. They do not fade quickly as many do.

The Gloria roots we supply grow rapidly and bloom freely the first season. They are three times as large as new Dahlias are usually offered. They were propagated from divided tubers, and field grown for one season. Each, 25c.

Eloise. White, tinted flesh; edged with garnet. A new variety of medium size, full and regular. 25c.

Frank Smith. Intense purplish maroon, shading almost to black, petals tipped white.

Lemon Beauty. Very large, full round flowers on long straight stems. Color, a beautiful soft shade of lemon yellow. 20c.

A. D. Livoni. Quilled petals, beautiful clear pink in color; perfect in form; blooms early.

Arabella. Light sulphur-yellow, shaded peach blossom on edges.

Flora Nova. Rich purple; quilled petals. Well-formed flower.

John Walker. Round flower, pure white. Good exhibition variety.

Miss May Lomas. Delicate pure white; suffused soft pink; handsome

Mrs. Langtry. An exceptionally fine Dahlia. Color, canary yellow, tipped with scarlet. A well-formed flower. Desirable sort.

Penelope. White, flaked lavender; one of the best in this section.

Pink Dandy. Clear pink large round flowers on long stems. 25c.

Prince Bismarck. Deep purple; large; a handsome and fine flower; S.

Progress. A grand acquisition. The color is a clear, soft, rosy lake. Valuable as a cut flower, it should be in every collection. 20c.

Queen Victoria. Yellow. A quilled variety like A. D. Livoni.

Scarlet Ball. Well named.

Storm King. White; large; perfect-shaped flowers. An early profuse and constant bloomer.

White Dandy. Same as Pink Dandy except in color.

White Dove Pure White; fringed petals, long stems.

The principal requirements of the Dahlia are a sunny location, liberally manured soil, plenty of room, and the surface kept light by hoeing or cultivating. While they are easily cared for, first-class results are obtained only by generous treatment. Those who love flowers and care for them in earnest will find that there is no plant which is more responsive to stimulation by feeding with pulverized sheep manure than the Dahlia.

TYPES OF DAHLIAS OF ALL CLASSES

Cactus Dahlias

The petals are narrow and folded backward, the reverse of the show and decorative types.

Countess of Lonsdale. A profuse bloomer of superior light coral red flowers.

Earl of Pembroke. Bright plum color; petals long, pointed and regular.

Floradora. The best dark crimson for cutting; flowers are on long stems and last a long time. 25c.

Galliard. Carmine cactus; valuable for cut flowers.

Grand Duke Alexis. White tinged with rose; very large quilled flowers.

Harbor Light. A grand cactus variety, which should be in every collection Very large flowers; petals long, slender, twisted and incurved. Color orange red overlaid with flame. 35c.

Kriemhilde. A pure, fresh, delicate pink, shaded white at center; finely formed. Invaluable as a cut flower.

J. W. Wilkinson. Rich ruby; fine.

Maid of Kent. Crimson tipped snow-white.

Mars. Brilliant scarlet; fine form.

Mary Service. Yellow, salmon and lavender. One of the best.

Matchless. Maroon shaded black; pointed petals. One of our best.

Winsome. A fine creamy white of good size and form, borne upon long stems. 20c.

Wm. Fawcett. Yellow; red tipped.

Single Dahlias

Twentieth Century. Very large pink, white toward center. Fine cut flower.

Unnamed Dahlias

Choice double sorts. Names have been lost. We offer them under separate colors. Each, 10c; 6 for 50c, postpaid.

Decorative Dahlias

The petals of Cactus Dahlias are broad and flat.

Black Prince. Best of its type. Velvety maroon, almost black.

Catherine Duer. Famed for bright, crimson-scarlet color, especially under artificial light. 20c.

Clifford W. Bruton. The best yellow; of immense size and perfect form.

Flora. Glistening white flowers that have not a trace of green in them. One of the best for cut flowers.

Gettysburg. An extremely large flower of deep scarlet color. 25c.

Henry Patrick. A superb pure white of large size. Fine for cut flowers.

Lyndhurst. Bright scarlet on long stems.

Miss Minnie McCullough. Soft yellow overlaid with bronze. Handsome under artificial light. 25c.

Mrs. Roosevelt. Perfectly double, of great size; 6 to 8 inches. In color a delicate pink, shaded to a soft clear pink. Flowers on long stems, making it a superior sort for cutting. 25c.

Nymphæa. Delicate pink, tinted white, shading to darker at the edge.

Perle d'Or. Best white decorative to date. Large flowers on long stems.

Sylvia. Flowers 4 to 6 inches in diameter, fine form and full to the center, which is white shaded to soft pink on the outer petals. An early and profuse bloomer. 20c.

Wm. Agnew. Glistening scarlet crimson; always a mass of color.

Zulu. Jet black, changing to maroon as flower opens.

Snow=Clad. White; much admired.

Pompon Dahlias

Dwarf plants with miniature flowers of the show type. Fine for bouquets.

Elegante. Soft pink, tipped deep pink.

Guiding Star. A favorite white pompon,

Giant Flowering GLADIOLUS Selected Strains

Gladioli are very easily grown. Any good soil suits them. Plant, as soon as all danger from frost is past, about 3 inches deep and 7 or 8 inches apart. By planting at intervals up to the first of July these fine flowers can be had in bloom all through the summer and fall—the later to flower being the best. About the end of October, when the leaves begin to wither, the bulb should be taken up, dried in the open air, and then stored in a dry place free from frost for planting next spring.

At single and dozen rate we send postage or express prepaid. 100 rate not prepaid. 25 bulbs sold at the 100 rate.

GLADIOLUS IN MIXTURES

Our mixtures are made up out of fine varieties, not the commonest sorts, and are all **strictly selected first-size bulbs**, and are sure to give best results.

Young, Vigorous Bulbs, Sure to Produce Fine Flowers.

Single bulbs and dozen lots, postpaid.	Each	Doz.	100
Red and Scarlet, bright colors.	$0.03	$0.30	$1.50
Pink and Salmon, delicate shades.	.05	.40	2.50
Yellow Shades, the best mixed	.07	.65	4.50
Light and White, all first-class	.06	.50	3.00
Striped and Variegated, extra fine.	.04	.35	2.75
All Colors Mixed, fine variety.	.03	.30	1.50

TRACY MIXTURE.

It includes the **very best** varieties in every color and shade, and represents the highest types of perfection yet attained in Gladioli. This mixture cannot fail to please the most critical. Doz., 75c; 100, $4.00.

TYPE OF "TRACY MIXTURE" GLADIOLUS

SUPERFINE MIXED.

This is not equal to our Tracy Mixture, nevertheless it will give some grand flowers. At the price we name, you can afford to plant with liberal hand. Doz., 35c; 100, $1.75.

FINE MIXED.

It includes bulbs of all colors, which in handling have become indistinguishable. They, as well as all bulbs offered, are blooming size—that is, they will produce flowers the same season as planted. Doz., 25c; 100, $1.25.

Groff's Hybrid Gladiolus

The flowers grow to an immense size, often measuring six and seven inches across. In coloring they are unequaled; every tint heretofore known in Gladioli is represented, and many new ones also, especially among the blue, lilac, and heliotrope shades. We offer the true stock in mixture. First size, doz., 60c; 100, $3.00. Second size, doz., 25c; 100, $1.00.

GLADIOLI CHILDSII

A mammoth race. They are so erect as to stand four to five feet high, with spikes of bloom sometimes two feet in length. Mixed, doz., 50c; 100, $2.50.

LEMOINE'S HYBRIDS

Aptly named the Butterfly or Orchid Gladiolus, on account of the marvelous beauty of the fantastic markings and blendings of every shade of color. Doz., 25c; 100, $2.00.

FINE NAMED HYBRID GLADIOLI

In addition to the several mixtures offered above, we can supply the following named sorts. They are very choice and at the same time reasonable in price:

America. The most beautiful and useful Gladiolus in cultivation. Its color is a soft flesh pink, very light, and slightly tinged with lavender. In growth it is strong and healthy, producing an excellent dark green foliage and a strong, erect spike of large flowers, well set to show to the best advantage. Each, 10c; doz., $1.00.

Augusta. A lovely white variety. Each, 7c; doz., 75c.

Brenchleyensis. The best scarlet for massing. Each, 3c; doz., 35c; 100 for $1.75.

Ceres. White, flaked with purplish rose. Each, 5c; doz., 40c.

Eugene Scribe. Large, open flowers of a tender rose color, blazed with carmine. Each, 7c; doz., 75c.

Isaac Buchanan. Fine yellow. Each, 7c; doz., 75c.

John Bull. White tinged with yellow. Each, 5c; doz., 40c.

Lamarack. Cherry, white throat. Each, 4c; doz., 40c.

May. White, striped crimson. Each, 4c; doz., 40c.

Madam Monoret. Delicate rose. Each, 4c; doz., 40c.

Napoleon III. Scarlet, white line in petals. An attractive, showy and desirable variety. Each, 5c; doz., 40c.

"1900." A seedling of exceptional merit. Tall spikes of crimson flowers, with blotch on lower petals. Each, 7c; doz., 60c.

Reine Blanche. White, carmine blotch. Each, 6c; doz., 60c.

Snow White. Almost pure white. Each, 15c; doz., $1.60.

Shakespeare. White, flaked rose. Each, 7c; doz., 75c.

HARDY LILIES.

Lilies thrive best in a dry, rich soil. They should be planted deep, 4 to 6 inches, as they form two sets of roots, one below, the other above the bulb. All Lilies offered on this page are hardy enough to stand the winter outdoors. It is well, however, to protect them with a covering or litter of straw.

Prices include postage unless otherwise stated.

Auratum. (Golden Japan Lily.) Extremely fragrant and very beautiful. Flowers white, dotted with crimson, with a golden band running through center of each petal. *First size*, each, 15c; 3 for 40c; doz., $1.50. *Not prepaid, Large bulbs*, each, 10c; doz., $1.00.

Longiflorum. A variety bearing in clusters beautiful snow-white trumpet-shaped flowers of rare fragrance; fine for either outdoor or house culture. *First size*, each, 15c; 3 for 40c; doz., $1.50. *Not prepaid, Large size*, each, 10c; doz., $1.50.

Tigrinum. (*Single Tiger Lily.*) Flowers, orange red, spotted black. Each, 10c; 3 for 25c; doz., $1.00. *Not prepaid*, each, 5c; doz., 50c.

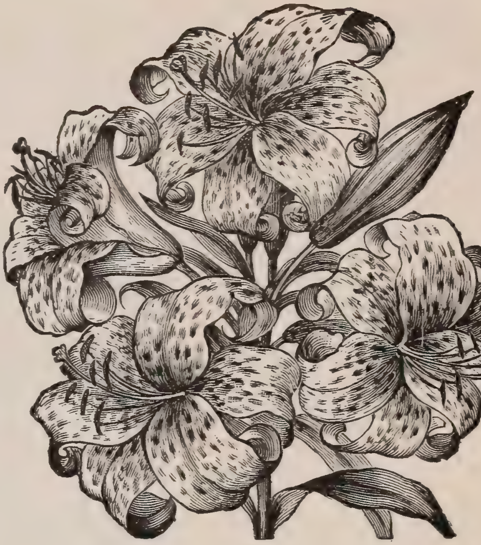
Tigrinum fl. pl. (*Double Tiger Lily.*) Very large, double flowers. Each, 10c; 3 for 25c; doz., $1.00. *Not prepaid*, each, 8c; doz., 80c.

SPECIOSUM.—(*Hardy Japan Lilies.*)

Of easiest culture. Once planted outdoors, there to stay.

Album. Large, fragrant, pure white. *First size*, each, 20c; 3 for 55c; doz., $2.00. *Not prepaid, Large bulbs*, each, 15c; doz., $1. 50.

Rubrum. White, heavily spotted with rich crimson, fragrant. *First size*, each, 15c; doz., $1.50. *Not prepaid, Large bulbs*, each, 10c; doz., $1.00.



AURATUM LILY.

MILLA BIFLORA. (Mexican Star.)

A group of them in bloom is very attractive. Flowers, star-shaped, waxy white, of great substance. They last for days when placed in water; fragrance delightful. Height, 12 to 18 in.

LILY OF THE VALLEY.

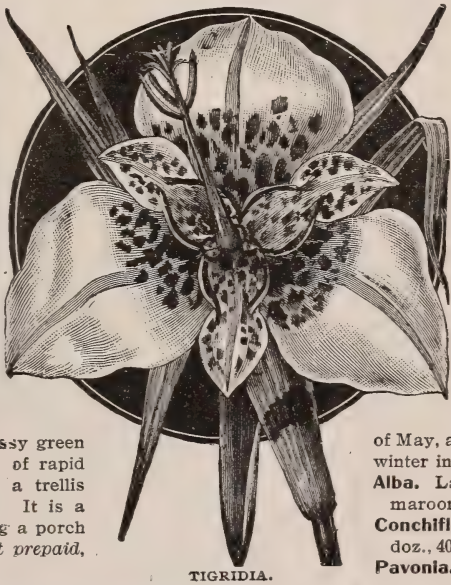
A well-known and universally admired spring flowering plant; flowers bell-shaped, freely produced and fragrant. To grow in open ground, select a partly shaded rather moist situation. A few clumps will start a bed that with little care affords an abundance of flowers and pleasure.

Clumps, extra strong. Each, 35c. *Not prepaid*, each, 25c; doz., $2.50.

NOTE.—We do not send BULBS of any kind by mail until all danger of their freezing is passed, usually about April first.

MADEIRA VINE.

Tuberous-rooted climber, with glossy green leaves and fragrant white flowers; of rapid growth. A few plants will cover a trellis or cottage wall in a single season. It is a very pretty thing to use for shading a porch or veranda. Each, 5c; doz., 50c. *Not prepaid*, doz., 30c.



TIGRIDIA.

OXALIS. SUMMER BLOOMING.

The little bulbs are not much larger than peas, but quickly throw up a mass of pretty foliage and flowers; fine for beds, borders and edging; also for pots, baskets and vases. For edging, plant two or three inches apart.

Dieppi. Clover like foliage, white flowers. Doz., 10c; 100, 50c.

Lasandria. Fine, rose pink, beautiful cut foliage. This is the taller variety of the two. Doz., 10c; 100, 50c.

PEONIES, *see Plants.*

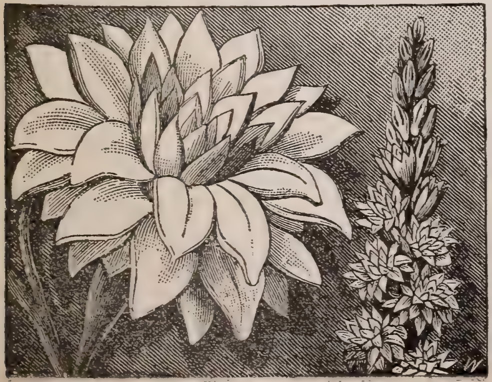
TIGRIDA. (Shell Flower.)

Curious and beautiful shell-like flowers, about 4 inches in diameter, flowering from July to October. The bulbs can be planted about the middle of May, and taken up in October and kept over winter in dry sand.

Alba. Large ivory-white flowers, spotted with maroon, rosy lake in center; each, 5c; doz., 40c.

Conchiflora. Yellow and orange; each, 5c; doz., 40c.

Pavonia. Red, crimson spot; each, 5c; doz., 40c.



TUBEROSES.

One of the most fragrant and popular of the summer-flowering bulbs. May be started early in hotbeds or pots, or planted in open ground during the early days of May.

Dwarf Pearl. Stem about 2½ feet. Selected large bulbs. Each, 5c; doz., 50c; 100, *not prepaid*, $2.00.

Tall Italian. Grows 4 feet high. Large bulbs. Each, 5c; doz., 50c 100, *not prepaid*, $2.00.

BULBS FOR WINTER BLOOMING.

We usually carry in stock during September, October and November, a complete assortment of Hyacinths, Tulips, Narcissus, Jonquils, Chinese Lilies, Crocus, Easter Lilies, etc. If you wish any of these, write us in the autumn and we will take pleasure in quoting you prices.

Hardy Herbaceous Perennial Plants

For Permanent Planting in Garden Borders, Cemetery Plots, Etc.

Plants of this class are perfectly hardy in the open ground, and die down *only* to the roots at the approach of cold weather. Once planted, they become a lasting pleasure. Failure with them is practically impossible. They succeed admirably upon all sorts of soil and in any situation that is not too greatly shaded. In preparing a bed or border for them, remember they are heavy feeders and are to remain undisturbed for years; and therefore make the soil rich and deep.

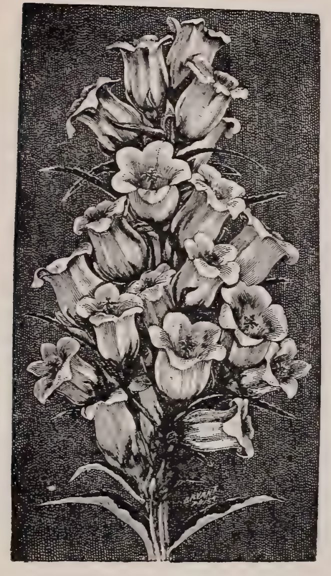
The price in all cases is for field-grown plants. Those of the larger size will give effects the same season as planted. Prices include delivery to **express or freight office in Chicago, but are not prepaid.**

AQUILEGIA
(Columbine)

These are excellent border plants, blooming in May and June. Their flowers are spurred, and embrace a wide range in color—white, blue, red, and yellow. April to August. Valuable for cut flowers. 1 to 3 feet. Each, 15c; doz., $1.50.

BLEEDING HEART
(Dicentra Spectabilis)

An easily cultivated plant, excellent for the border or cemetery. Grows about 2 feet high. Flowers rose colored, heart shaped, produced in early spring. Each, 15c; doz., $1.50. Large size, each, 25c; doz., $2.50.



CAMPANULA media
(Canterbury Bells)

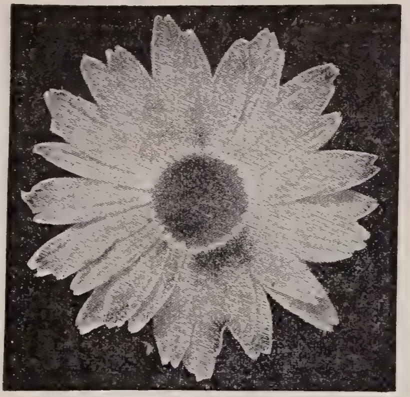
A favorite garden plant. Grows about 2 feet high, blooming freely in June and July. The beautiful bell-shaped flowers are white to deep purple. Mixed colors. Each, 15c; doz., $1.50.

Chrysanthemum maximum
(Giant Daisy)

Forms bushy plants about two feet high. They thrive in hot sun, continuing in bloom all summer. Flowers are like the white daisy, but larger. An excellent and lasting cut flower. Each, 15c; doz., $1.50.

COREOPSIS lanceolata

Golden yellow flowers produced the entire season. Each flower is borne on a long leafless stem. When cut, they will last in water for several days without fading. Height, 18 inches. Each, 15c; doz., $1.50.



SHASTA DAISY

Graceful and elegant pure-white flowers with yellow centers; lasts a long time. In bloom from June to October. Extra fine cut flower, having long, stiff stems. Each 15c; doz., $1.50.

DELPHINUM (Larkspur)

Delicate light to deepest blue. The hardy Larkspurs, with their tall spikes of flowers, produced continuously from June until fall, are much esteemed for cut flowers. We can supply them in mixed colors. Each, 15c; doz., $1.50.

Dianthus Barbatus

See **Sweet William,** on page 84.

DIGITALIS (Foxglove)

The tall spikes are thickly clustered with tubular flowers, ranging widely in color. Suitable for background for Sweet Williams. Each, 15c; doz., $1.50.

FUNKIA or Day Lily

Ornamental and beautiful both in foliage and flower.

Lancifolia. Slender, lance-like leaves; flowers pale lilac. Each, 15c; doz., $1.50. Large size, each, 25c; doz., $2.50.

Subcordata. A fine old variety, with pure-white flowers and broad leaves. Likes a moist, shady situation. Price as above.

GAILLARDIA

Unequaled for rich and constant display of bloom from June until frost.

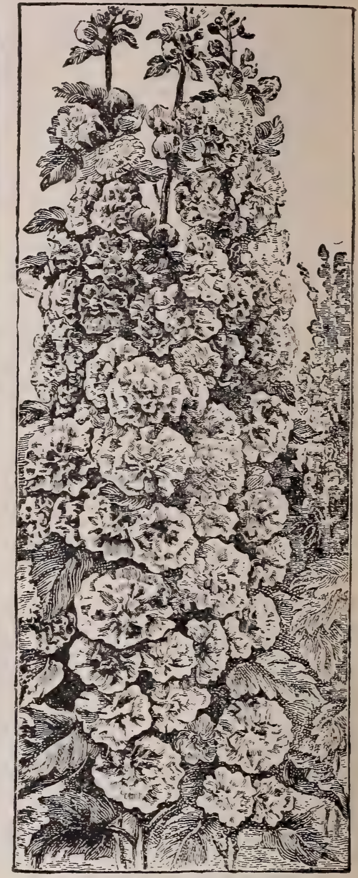
Grandiflora. Flowers very large; bronze-scarlet bordered with yellow. Makes beautiful cut flowers. Each, 15c; doz., $1.50.

HELIANTHUS multiflorus

This hardy sunflower attains a height of about 4 feet. In August and September the plants are covered with bright double golden yellow flowers, much like Cactus Dahlia. Each, 15c; doz., $1.50.

HIBISCUS ("Crimson Eye")

An immense white flower with a crimson eye. Perfectly hardy. Blooms freely from midsummer until killed by frost. Succeeds everywhere. Each, 15c; doz., $1.50. Large plants, each, 25c; doz., $2.50.



HOLLYHOCK

Growing 5 to 6 feet tall, these plants produce a pleasing effect planted either in rows on the lawn or among shrubbery. We have young plants raised from best strains of double-flowered sorts in these colors: crimson, yellow, white, and pink. Each, 15c; doz., $1.50. Large plants, each, 20c; doz., $2.00.

IBERIS (Candytuft)

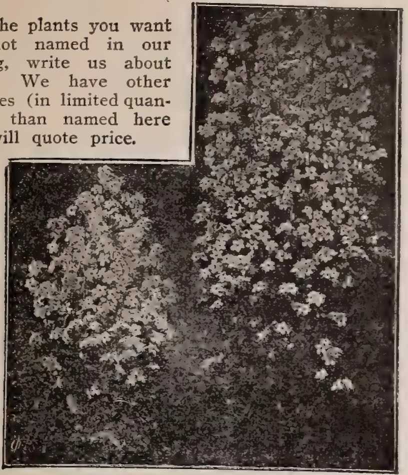
Dwarf plants with evergreen foliage. In April and May they produce large quantities of flat heads of pure-white flowers. Fine for edging. Each, 15c; doz., $1.50.

GERMAN IRIS

No garden is complete without some of these "Flags," as sometimes called. Foliage is bluish green, **broad** and luxuriant. Flowers are of various colors from pure white to dark purple. Some of them are fragrant. Mixed. Each, 15c; doz., $1.50.

Three of the most beautiful Hardy Plants are **Irises, Pæonies,** and **Phloxes.** We grow all of them on a large scale.

If the plants you want are not named in our catalog, write us about them. We have other varieties (in limited quantities) than named here and will quote price.



FORGET-ME-NOT (Myosotis)

A lovely little plant, especially valuable for rocky or moist situations, completely covered with small, pale-blue flowers from early summer until late in autumn. Always in flower. Each, 15c; doz., $1.50.

JAPANESE IRIS (Iris Kaempferi)

The magnificence of these Iris surpasses description. They begin to bloom in June and continue for weeks. Some of the flowers measure 7 to 9 inches arross, all of them of great diversity of hues. The principal colors are white, lilac, lavender, deep blue, violet. Veined and mottled; each flower with a golden yellow blotch at the base of the petals.

They grow well in almost any location, but attain their best perfection in moist soil or if given abundance of water. Each, 20c; doz., $2.00, not prepaid.

A FIELD OF PEONIES AT OUR NURSERY

AN IRIS GARDEN IN JAPAN

PEONIES

The superb new and greatly improved older varieties are a delight to every one. The colors take a wide range from purest white to deepest crimson. They like rich soil and a sunny location. The tip of the crown should be set six inches below the surface. Set out three feet apart. Our collection has been made with much care.

Named sorts; strong roots with 3 to 5 eyes.
Each, 25c; Doz., $2.75; 100, $20.00.

Achilles, creamy white, tinted soft pink.
Agida, dark, rich red; full double flowers.
Alba Plena, double white; useful for cutting.
Anemonæflora Rubra, dark carmine, red center.
Beaute Francaise, delicate rose, very full.
Chrysanthemiflora Rosea, a fine large rose pink.
Crimson King, dark red. A good cut flower.
Delachei, dark purplish crimson, strong grower.
Duc de Cazes, carmine red; center rose pink.
Ella C. Kelway, pink; an extra fine variety.
Edulis Superba, fine clear bright pink.
Faust, very light flesh pink, center chamois.
Festiva Alba, large, pure-white flowers.
Fideline, purple, showing golden anthers.
General Bertrand, rose, center white; showy.
Louise Renault, rose, late flowering.
Lutetiana, light rose, center salmon.
Magnifica, white, yellow center; blooms early.
Mme. Calot, white, tinted rose; large and full.
Mme. Carpenter, rose, center lighter.
Monsieur Rousselon, rose, center white.
Potsii Alba Rosea, dark rose, center lighter.
Princess Mathilde, fresh rose, self colored.
Pulcherima, soft rosy white, center salmon.
Queen Victoria, pure white, spotted carmine; fine.
Reine des Fleurs, pink, center lighter.
Reine des Francais, rose, center yellowish.
Rosea Elegans, delicate rose.
Rosea Grandiflora, large double pink flowers.
Rubra Elegans, dark red.
Rubra Triumphans, dark purplish crimson.
Van Dyck, salmon rose, changing to pink.
Zoe Calot, white, suffused with rose pink.

SPECIAL CHOICE VARIETIES

3 to 5 eyes; Each, 50c; Doz., $5.50

Delicatisssima, light rosy apricot; large flowers.
Duke of Wellington, soft white, creamy center.
Festiva Maxima, white, carmine center; fragrant.
Isabelle Karlitzky, delicate rose; large and full.
La Rosiere, center sulphur-yellow, creamy white towards end of petals.
Mme. de Verneville, pure white; full center.
Modeste Guerin, deep rose; keeps well.
Mont Blanc, pure white, small yellow center.
Sulphurea, white, with yellowish tinge.

EXTRA CHOICE VARIETIES

3 to 5 eyes; Each, $1.00

Amazone, white edged carmine, yellow center.
La Tendresse, pure white, center cream white.
Lee's Grandiflora Rubra.
Mireille, pure white.
Chas. Leveque, self salmon pink.
Solfatare, dark sulphur yellow; large, fragrant.

UNNAMED SORTS BY COLORS

White, Pink, and Red, separate colors, each **15c;** per dozen, **$1.50. Large Clumps, 25c to $1.00** each, according to size.

Large Clumps of the Named Varieties can also be supplied and will be priced according to size.

Hardy Herbaceous Perennial Plants. Continued

Lily of the Valley No garden is complete without a clump or two of this well-known plant with its pure-white, fragrant flowers. It well repays good treatment. Well-decayed manure applied on the surface early in March will greatly increase the size, number, and quality of flowers. Field-grown clumps, especially suited for outdoor planting, which should be done before the end of April, if possible. Each, 30c; doz., $3.00.

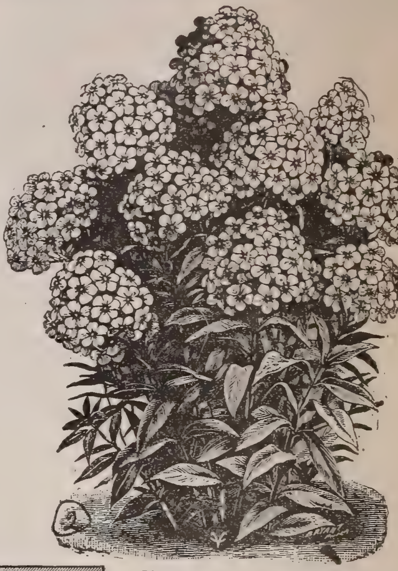
Grand Hardy Phloxes

It is no exaggeration to say that Hardy Phloxes are the most satisfactory of all the border plants. They bloom with the greatest freedom from July until late in autumn. The improved varieties have enormous trusses, all bright and showy, the individual flowers three times the size of the old varieties, and the colors ranging from purest white to violet. With Perennial Phlox a show of brilliant flowers can be had for months, as they are perpetual bloomers. Our collection has been made with care.

Separate colors: White, Crimson, Pink, Rose; also in Mixed Colors. Each, 15c; doz., $1.50.

Hardy Garden Pinks These "Clove Pinks," so much used for edgings in old-fashioned gardens, bloom most profusely during May and June. They grow about a foot high, and bear double flowers resembling small carnations. We have both White and Red. Each, 15c; per doz., $1.50.

Rudbeckia **(Golden Glow).** A grand, good, hardy herbaceous plant of easy culture. Averages five to six feet in height, and forms large clumps in a year or two, which produce literally armfuls of rich, deep golden yellow flowers on long stems in beautiful contrast with its rich, dark-green foliage. A fine plant to grow in center of beds, along fences, or as a background for beds of Scarlet Sage or other scarlet-blooming plants. Each, 15c; doz., $1.50.



HARDY PHLOX

STOKESIA

The Cornflower or Stokes' Aster

Cyanea. The illustration does not do full justice to the flowers of this charming and beautiful plant, which blooms most freely from June until frost. The plant grows from 18 inches to 2 feet high. It is of the easiest culture, producing aster-like lavender-blue flowers which sometimes measure five inches or over. They make splendid cut flowers. Each, 15c; doz., $1.50.

SUNFLOWER, Double

See Helianthus Multiflorus.

We can suggest to buyers (if given the opportunity) a good selection of hardy plants for succession in flowering. Tell us about how much you care to expend, or if choice is left to us, we will take special care to select satisfactory varieties.

If the plants you want are not named in our catalog, write us about them. We have other varieties (in limited quantities) than named here and will quote price.

CORNFLOWER ASTER

SWEET WILLIAM

(Dianthus Barbatus)

These old-fashioned favorites have always been one of our most prized border plants. They look well in large clumps. There is a great variety of rich colors, and the flowers are very fragrant. Our plants are grown from a very select strain of seed. Each, 15c; doz., $1.50.

TRITOMA

(Flame Flower or Torch Lily)

Splendid summer and fall-flowering plants, with stately flower scapes and magnificent dense terminal spikes of high-colored flowers, familiarly known on account of their shape and glowing colors as the "Red-hot Poker" plant.

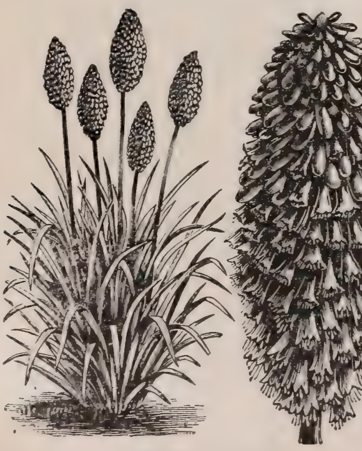
Pfitzerii. The flower spikes, which are produced with considerable freedom, are of gigantic size, frequently 4½ feet high, with heads of bloom over 12 inches long, of a rich orange-scarlet, shading to salmon-rose on the edge; a first-class acquisition. Needs protection during winter in Northern States. Each, 15c; doz., $1.50.

Vinca **(Periwinkle or Trailing Myrtle).** A dwarf plant with evergreen leaves, indispensable for covering ground under shrubs and trees. Also made use of largely in cemeteries for grave decoration. Hardy everywhere. Pretty blue flowers. Each, 15c; doz., $1.50. Large plants, 25c; doz., $2.50.

Yucca Filamentosa (Adam's Needle).

A tropical looking plant, with long, sword-like leaves which remain green the entire year; flower stem three to four feet high, bearing a large spike of cream-white, bell-shaped flowers that retain their beauty and fragrance a long time; in fact, through June and July. A fine plant for cemetery, lawns, background of beds and borders. Each, 15c; doz., $1.50. Large plants, 25c.

. . A Plea for . . Hardy Perennials A well-known nurseryman says: "Aside from lasting endurance, Hardy Perennials possess the valuable properties of succeeding in almost every soil; they can be planted with pleasure and profit in grounds of the most limited extent (a few square feet can be made to yield a bouquet every day from April until December); and results come quickly—in a few weeks, at most, from planting. It should not be overlooked that the flowers of a large number of kinds remain in good condition for a long time after being gathered, and their long, graceful stems, together with their delightful fragrance, render them the choicest flowers for decorating the dining table, the parlor, or for adding cheerfulness to the sick-room."



TRITOMA PFITZERII

Hardy Climbing and Trailing Plants

Climbing Vines thrive and flower in any garden soil, and, once established, do not require any extra care. All of those named upon this page are hardy; that is, they live outdoors all winter, starting again anew the following spring to clothe with verdure and beautiful flowers any object upon which they may be trained. They can be supplied any time after frost is out of the ground, say early in April, or in late fall

All of the plants are two and three years old, in strong, healthy condition. Prices named after each variety include packing. Shipments will be made as desired, by express or freight. The buyer pays the transportation charges.

AMPELOPSIS (Boston Ivy, Woodbine)

Veitchii. Desirable climber for covering walls, as it clings to the smoothest surface, clothing it during the summer with deep-green leaves which in autumn change to bright yellow and crimson. Young plants, each, 15c; 2-year-old, 20c; 3-year-old, 35c.

Ampelopsis Quinquefolia (Virginia Creeper)

A native vine sometimes called Five Fingered Ivy. A rapid grower, of sturdy growth. Its leaves are larger than those of Boston Ivy. In fall they turn to bright crimson. Each 25c; extra large, 50c.

ARISTOLOCHIA SIPHO (Dutchman's Pipe)

This plant, on account of its rapid growth and large heart-shaped leaves, is suitable to cover arbors and for screens. Bears brownish flowers, the corolla of which resembles a miniature pipe. Large plants, 50c.

BIGNONIA Radicans (Trumpet Vine)

Useful to cover dead trees and other unsightly objects. Clings to bark or walls with tenacity. Foliage fern-like; flowers orange-scarlet, trumpet-shaped, borne in clusters. Blooms in August. Bignonias will grow in almost any soil, and are hardy, except in the coldest climates. Each, 25c; large plants, 50c.

CELASTRUS SCANDENS (Bittersweet)

A native climbing or trailing plant with large leaves; yellow flowers in May or June, followed in the fall by clusters of orange colored berries. Each, 25c; large plants, 50c.

CLEMATIS (Virgin's Bower)

Clematis when in bloom are great embellishments to porches and verandas. These plants succeed best when grown in a deep, rich, sandy loam. The roots should be mulched with manure in winter. Failures with Clematis are frequently the result of shallow planting. We offer a selection of the best, large-flowered sorts suited to our climate. They are all **extra large plants for immediate effect. Price, each, 45c; 3 for $1.25, by express.**

Jackmanni. Blooms until cut off by frost; rich, deep velvety purple. A grand and well-known sort.

Jackmanni Alba. A white-flowered form of the above.

Madame Baron Veillard. Light rose with lilac shadings.

Madame Edward Andre. Beautiful, bright, velvety red.

Duchess of Edinburgh. Double white, best of its class.

Gipsy Queen. Dark, velvety purple; blooms very freely.

Henryi. Large; single, creamy white; very strong grower.

CLEMATIS PANICULATA

A valuable introduction from Japan that differs from all the foregoing. It is a strong, luxuriant grower, with pretty foliage. At the end of August the vine is covered with star-shaped, pure white flowers of delightful fragrance. Each, 25c; larger, 40c; extra large, selected plants, 50c.

HONEYSUCKLE (Lonicera)

The vines make rapid growth in almost any soil or location. Honeysuckles are valuable for training to posts, on verandas and along fences.

Hall's Japan. A strong-growing, almost evergreen sort; flowers pure white, changing to yellow; fragrant. Covered with flowers from July to November. Each, 35c; large plants, 50c.

Monthly Fragrant. Red and yellow, very fragrant; blooms all summer. Leaves tinged with reddish color. Each, 35c; large, 50c.

Scarlet Trumpet. Bright red, trumpet-shaped flowers. Blooms very freely the entire season. Each, 35c; large plants, 50c.

Yellow Trumpet. Each, 35c; large plants, 50c.

The Upright or Bush Honeysuckles are to be found in the class of Hardy Shrubs.

Orders for Shrubbery should reach us if possible by April 1st, and not later than the end of the month, as by that time the plants have begun to leaf out.

LARGE-FLOWERED CLEMATIS

MATRIMONY VINE (Lycium Chinensis)

A vigorous climber, covered from June to September with star-shaped purple flowers, succeeded by scarlet berries. Each, 25c; large plants, 50c.

VITIS cordifolia (Frost or Winter Grape)

A native vine that grows from 40 to 50 feet in height. As it is very leafy, it is desirable for covering fences, tree stumps, etc. Produces small black grapes that hang on until late in fall. Each, 25c.

CHINESE WISTARIA

One of the best of all hardy climbers. When given a sunny situation and liberal manuring, it grows rapidly, and presents when in bloom a magnificent appearance.

Sinensis. The favorite variety, producing thousands of pendulous clusters of delicate violet blue blossoms, richly perfumed. Each, 25c; large, 50c.

Alba. Of similar habit to Sinensis, with pure white flowers; a lovely climber. Each, 25c; large plants, 50c.

Hardy Roses—Hybrid Perpetual and Everblooming

The Plants offered herein are field-grown and dormant. They can be planted as soon as frost is out of the ground. They are large and bulky, and not to be compared with small plants out of pots. From their size, we can send them **only by express or freight. The purchaser pays the transportation charges.** Having no soil on the roots and being dormant, they can be sent at low cost by express.

In planting Dormant Roses (nearly all of which are grafted plants) care should be taken to have the budded part set two or three inches below the surface of the ground, and the soil pressed firmly about the stem. Dormant plants produce better flowers and make stronger plants than those grown from cuttings. Plant fifteen to eighteen inches apart.

HYBRID PERPETUAL OR JUNE ROSES

These are the June Roses, so admirably suited for gardens. They are of easy culture and luxuriate in a deep, rich soil. They are benefited by mulching of leaves or strawy manure placed around the roots in fall. In May and June these Hardy Garden Roses are brilliant with large, perfumed flowers of richest color. Many of those offered in the list below give occasional flowers through the summer and again in autumn. Supplied during spring months.

Purchaser's selection from list below: Two=year=old field=grown plants, each 25c; doz., $2.50.

Alfred Colomb. Crimson, a good rose.

Anne de Diesbach. Bright rose color. Well-formed, large and full flower.

Abel Carriere. Purplish crimson, shading in the center to red.

American Beauty. Very fragrant, deep rose. In center shaded with crimson.

Ball of Snow. Pure white.

Baron de Bonstettin. Dark red, almost black.

Baroness Rothschild. Rich satiny pink.

Captain Christy. Deep flesh color, medium size. A constant bloomer, fine foliage.

Clio. The flowers are perfect in form, with fine, broad petals, and are beautiful at all stages of development; color, delicate satin blush, with a shading of rosy pink at center.

Fisher=Holmes. Rich velvety crimson, large and fragrant. Very showy.

General Jacqueminot. The well-known "Jack Rose." Rich, velvety, crimson flowers. They are not very full, but are large, unusually fragrant and admired by everybody.

General Washington. Red, shaded with crimson. Full and flat.

Giant of Battles. Intense crimson, delightfully fragrant.

La Detroit. Beautiful shell-pink.

Mabel Morrison. Pure white, round.

Mad. Gabriel Luizet. Beautiful satiny pink.

Mme. Plantier. Pure white; a favorite for cemetery decoration. Hardy as an oak.

Mme. Victor Verdier. Crimson.

Magna Charta. Bright pink and carmine.

Mrs. John Laing. Beautiful soft pink, large.

Perle des Blanches. Pure white, and exceedingly free bloomer.

Paul Neyron. Immense deep pink. Best of its color.

Ulrich Brunner. Cherry red flowers. Large and full. A good strong grower that always does well.

Early placed orders are advantageous to you and materially aid us. With every facility to execute your orders rapdily, carefully and satisfactorily, we ask the pleasure of supplying your needs. **Please order before the plants leaf out.**

FRAU KARL DRUSCHKI ROSE

There is nothing in the line of perfectly hardy roses that can compare with this one in form, color, and general beauty. It is a handsome plant of strong, upright growth, and bright, heavy foliage. The bloom is a pure paper white, of large size and borne upon long stems. A grand rose.

HYBRID EVERBLOOMING ROSES

Though not so hardy as the Hybrid Perpetual Roses named above, yet with good protection many of them will withstand our severest winters. They are very early-flowering, and bloom continuously through the summer and some of them until early fall. Plant them when danger from frost is past. **Two=year=old plants, field=grown, each 25c.**

Clothilde Soupert. Flowers perfectly full and very fragrant, beautiful creamy white, tinged with amber, deepening at center to bright pink. Sometimes both red and white roses are borne on one plant.

Gruss an Teplitz. One of the very best Roses for the garden. Bright crimson with fiery red center; cupped-shaped, semi-double flowers in clusters. A profuse bloomer.

Kaiserin Augusta Victoria. A distinct and very beautiful variety. Cream, slightly shaded lemon, deeper in the center. Very fragrant. Bold, beautiful foliage.

Hermosa. Double and fragrant; clear bright pink.

Killarney. A lovely variety of great merit. Flesh shaded white suffused pale pink; long, pointed buds, opening to large flowers, borne in great profusion.

La France. Flowers large and beautiful either in bud form or when expanded; peach-blossom color, shaded pink and silvery rose. Popular the world over.

Madame Caroline Testout. A beautiful light salmon-pink, and one of the most satisfactory of this class. Large globular flowers; quite fragrant.

THE ROSE—ITS CULTIVATION, VARIETIES, ETC.

By H. B. Ellwanger. Directions for cultivation—for planting, pruning, propagation, the treatment of diseases and insect enemies—particularly valuable for its Classification, Alphabetical and Descriptive list of 956 varieties. Cloth, **$1.25**

Hardy Climbing and Other Roses

The Plants of this class of Roses are used for covering trellises, walls, pillars, etc. They may be planted out as soon as ground is free from frost. Climbing Roses grow with great rapidity, are perfectly hardy, and produce flowers in large clusters. Some other desirable Roses are also named below.

Prices are for field=grown plants, delivered to freight or express office in Chicago but not prepaid. 2=year=old, each, 25c; doz., $2.50. 3=year=old, strong, heavy plants, each 40c; doz., $4.00.

Old Favorite Climbing Roses

Baltimore Belle. Literally a sheet of fragrant, pale-blush, blooming in early summer. An old favorite.

Persian Yellow. Finest hardy yellow rose in cultivation.

Queen of the Prairie. A distinct rose, with deeply sunken center, making a cup-shaped rose of much beauty.

Seven Sisters. Large clusters of roses shaded from white to crimson, no two alike in cluster. Fine and odd.

Hardy Rambler Roses

Crimson Rambler. As a climbing or running rose it has no equal. The foliage is rich, dark green; the growth rapid and diverse, but its great beauty is when the plant is covered with a profusion of the brightest crimson, partly double flowers which remain on a long time.

Yellow Rambler. Flowers medium size, cup-shaped, nearly full, sweet-scented; blooms in large clusters; color very light yellow.

White Rambler. Flowers are the size of a silver quarter, perfectly filled, very fragrant; color pure white, sometimes tinged with blush.

Pink Rambler. Like the white, this resembles the yellow, excepting as to color.

Dorothy Perkins. A new variety of Pink Rambler, and rivaling the Crimson Rambler in vigor of growth and freedom of bloom. Countless clusters of double pink flowers of a most beautiful shade. Is very hardy.

NEW ROSE, TAUSENDSCHON

Tausendschon The flowers are borne in large clusters from June to August. Each flower measures about one and a half inches in diameter, and is of a beautiful soft rose-color, changing to rosy-carmine. The plant is of strong, vigorous growth, perfectly hardy, and a good variety to plant where a strong climber is desired. This rose is nearly thornless.

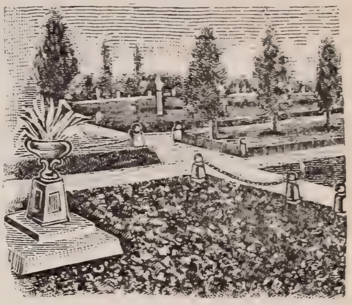
NOTE—Above offered Roses hereon are strong, vigorous plants, are guaranteed to reach you in good order. Purchaser has to pay charges, whether sent by express or freight.

Baby or Dwarf Crimson Rambler

This beautiful novelty produces clusters of flowers as large as the old Crimson Rambler. The color is a charming brilliant red, and it blooms with great profusion. A splendid bedding variety, hardy and in bloom continuously throughout the summer.

Japanese Trailing Roses

Although their natural inclination is to trail, the vines may be trained to grow upright. Their most important use is a ground cover, where they produce their flowers in great profusion. These roses are distinct from all others. They are of such grace and beauty as to make them universal favorites. We offer only the best one of the class. Field-grown plants, 2 years old, each 25c.



Memorial Rose (Wichuraiana). Because of its trailing habit and hardiness, this rose is much used in cemeteries for covering graves. Foliage is shiny green, insect proof; even in winter the plant is almost constantly clothed in green. Flowers pure white with yellow stamens.

We wish here to direct attention to another fine Rose for the cemetery—Madame Plantier. Blooms once a year, in June; pure white fragrant flowers.

Rosa Rugosa (Japanese Rose)

Few shrubs are so ornamental as this. It forms a sturdy bush, 4 to 5 feet high, covered with large, dark-green, glossy foliage, crowned with terminal clusters of ten to twenty flowers, each three inches in diameter. Perfectly hardy. A valuable plant for the hardy border or shrubberies, its large, handsome, scarlet fruits being very ornamental all through the autumn and early winter months. It also makes a splendid hedge, its foliage being impervious to the attacks of insects of all kinds. 18 inches to 2 feet, each 35c; 2 to 3 feet, each 50c.

HARDY MOSS ROSES

"The charm of a Moss Rose is the bud."

Crested Moss. One of the most beautiful Roses. The open flowers are very bright and of the most delicious fragrance. Color, a rich glossy pink, tinged crimson; large and globular. The buds are covered with beautiful green moss.

Blanche Moreau. Pure white, sometimes shaded with rosy blush; full and perfect in form.

Salet. One of the very best Moss Roses grown. Flowers are of medium size, flat form, and produced in great profusion. Color, beautiful light pink.

Large field=grown plants by express, 25c each.

TREE OR STANDARD ROSES

The Tree Roses are grafted on hardy rose stalks four to five feet high, are tree shaped, and when in full bloom, are objects of beauty, making handsome plants for the lawn or rose border. In this shape we offer only the Hybrid Perpetual and hardy classes. We have them in white, the different shades of pink, red and crimson. Fine, strong trees that will bloom nicely the first year.

By express or freight, not prepaid, each 75c; 3 for $2.00.

All Roses on the two pages are in dormant condition. They may be planted as soon as ground is free from frost. Having no soil adhering to the roots, we can pack them lightly and ship by express at 20 per cent less than regular express charges for merchandise.

Flowering and Ornamental Hardy Shrubs

SHRUBBERY is of the greatest value and importance in adorning the home grounds, imparting to them a finished and artistic appearance which can not otherwise be produced. There is nothing that will so quickly, and for the cost, add so much beauty to the surroundings.

Shrubs are not particular as to location; once planted, they are there to remain, as they endure. The time of bloom of the different varieties extends over nearly the whole season, though the greatest show is to be expected in spring and early summer. The variegated and golden-leaved sorts, together with those which bear ornamental fruit, make a greatly varied display. *We give special attention to Landscape Work—both planning and planting.*

The prices quoted are for shipping sizes, to go by express or freight at the buyer's expense of transportation. One large plant will give a better effect and in less time than three small ones. Be sure to instruct us how to ship —express or freight. When no instructions are given, we decide the route.

Almond **Flowering.** A beautiful shrub bearing in early spring small double, rose-like flowers. We have both **White** and **Pink**, at same price. 1½ to 2 ft., each 25c; 2 to 3 ft., each 35c; 3 to 4 ft., each 50c.

Althea **(Rose of Sharon).** We have them in these colors: Double Red, Double White, Double Purple. They are excellent plants for hedges, or even to grow singly or in clumps. Bloom in August and September. 1½ to 2 ft., each 25c; 2 to 3 ft., each 35c; 3 to 4 ft., 50c.

Variegated Leaved. Marked with green and yellow. Same prices as above.

Barberry (Berberis)

They bloom in summer and the flowers are succeeded by bright-colored fruit lasting till early winter. All the Barberries make excellent hedge plants. They are hardier than most Privets. For price on Privets in several varieties, see Hedge Plants.

Thunbergii or Japan Barberry. Of very dense growth. Branches are covered with small thorns. Never needs trimming. Foliage turns crimson in the fall. Scarlet berries remain all winter. 18 inches to 2 ft., each 25c; doz., $2.50. 2 to 3 ft., each 35c; doz., $3.50.

Vulgaris. Green-leaved; slightly taller than the Japanese variety. 18 inches to 2 ft., each 20c; doz., $2.00. 24 to 30 inches, each 30c; doz., $3.00; 3 to 4 ft., each 50c; doz., $5.00.

Purpurea. Purple-leaved; grows 3 to 5 ft. high. May be trimmed to any height desired. Violet-colored foliage and berries. 18 inches to 2 ft., each 20c; doz., $2.00. 2 to 3 ft., each 30c; doz., $3.00; 3 to 4 ft., each 50c; doz., $5.00.

BURNING BUSH. See under Strawberry Tree.

CALIFORNIA PRIVET. See Hedge Plants, page 80.

Calycanthus (Alspice, Sweet-Scented Shrub)

It blossoms in June and at intervals afterwards. Has handsome, rich foliage; flowers chocolate, having a peculiar agreeable odor. 18 to 24 inches, each 25c; 3 to 4 ft., each 35c; 4 to 5 ft., each 50c.

Cornus (Red-Twigged Dogwood)

A strong-growing shrub, bearing clusters of white flowers in June. Ornamental in winter, when the stems and branches turn blood-red. Valuable for planting either single or in masses. Thrives nearly as well in shade as in the open.

Sibirica. Coral-red branches. 2 to 3 ft., each 25c; 3 to 4 ft., each 50c; 4 to 5 ft., each 75c.

Sanguinea. Crimson-colored branches; black berries. Same prices as Sibirica.

Aurea. Valuable on account of its bright yellow bark. 2 to 3 ft., each 30c; 3 to 4 ft., each 50c.

CRAB, Double Flowering. See under Trees, page 83.

CURRANT, Flowering (Ribes). See following page.

Cydonia Japonica (Japan Quince)

These rank among the choicest of flowering shrubs. Bears pruning into any desired form. As specimen shrubs they are very attractive; also fine for borders or groups. The large, brilliant, bright-red flowers appear early in spring, before the leaves, and cover every branch with bright glossy green foliage all summer. Splendid hedge plant. 2 to 3 ft., each 25c; 3 to 4 ft., each 50c.

DEUTZIA CRENATA, DOUBLE FLOWERED

Deutzias

The flowers of the Deutzias are tassel-like and clustered into thick wreaths along their drooping branches. The hardihood of these plants, in connection with the rapid growth, luxuriant foliage and profusion of bloom in June, July, and August, makes them deservedly popular.

Crenata fl. pl. Double white, tinged with pink, in racemes four or five inches long. 2 to 3 ft., each 25c; 3 to 4 ft., each 50c; 4 to 5 ft., each 75c.

Gracilis. Slender branched. Dwarf, 2 feet high. Flowers pure white. 2 to 3 ft., each 25c; 3 to 4 ft., each 50c; 4 to 5 ft., each 75c.

Pride of Rochester. A week earlier than Double Crenate, which it resembles. Much larger flowers. 2 to 3 ft., each 25c; 3 to 4 ft., each 50c.

Watereri. Single, bell-shaped pink flowers. 2 to 3 ft., each 25c; 3 to 4 ft., each 50c.

Elder **(Sambucus).** Admired for their beautiful leaves as well as the flowers and fruit. They bloom in June. Require vigorous pruning to keep in shape.

Golden Elder. Yellow leaves. 2 to 3 ft., each 25c; 3 to 4 ft., each 50c; 4 to 5 ft., each 75c.

Cut-leaved Elder. Deep green foliage, delicately cut. Same prices as above.

Forsythia Shrubs of medium size, produce double yellow flowers in early spring before the leaves.

Fortunei. Erect branches and broad green leaves. 2 to 3 ft., each 25c; 3 to 4 ft., each 50c; 4 to 5 ft., each 75c.

Suspensa. Of weeping habit. Prices same as Fortunei.

Intermedia. Slender, arching branches, narrow leaves. 2 to 3 ft., each 25c; 3 to 4 ft., each 35c; 4 to 5 ft., each 60c.

HIGHBUSH CRANBERRY. See Viburnum Opulus.

Hydrangea These handsome shrubs are now considered quite indispensable in any garden. They are very easy of culture and succeed well in any rich soil.

Everblooming Snowball Hydrangea

Arborescens (*Snowball Hydrangea*). The snow-white blooms are much like the Snowball flower, but larger and more attractive. The habit of the plant is excellent, the foliage finely finished. One of the most valuable characteristics is its coming into bloom just after the passing of all the early spring shrubs, while its long flowering season, from early June until late August, makes it a valuable acquisition in any garden. 2 to 3 feet, each, 30c; 3 to 4 feet, each, 50c.

Hydrangea, Paniculata Grandiflora

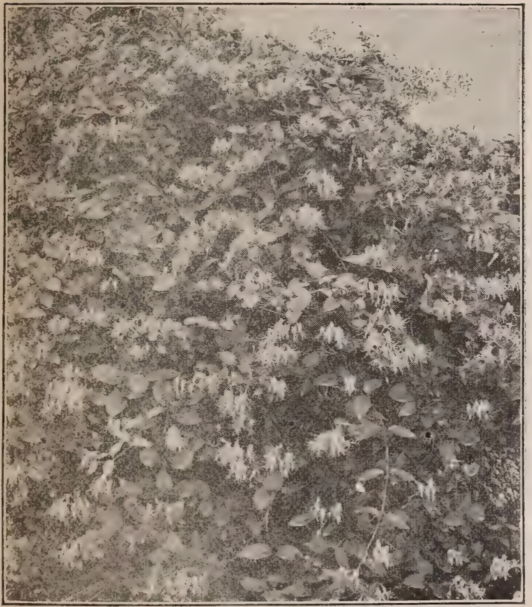
LARGE PANICLE-FLOWERED HYDRANGEA

Paniculata Grandiflora. The most popular and widely planted shrub in cultivation. Adapted to any part of the country, perfectly hardy, stands heat and cold remarkably well. For the cemetery there is no better shrub. Grows 8 to 10 feet high; blooms from August until frost. The flower panicles are frequently nearly a foot in length, white when they first open, afterwards changing to rose, remaining in good condition for weeks. To secure best effects this shrub should be planted in masses or with a background of other shrubbery. 2 to 3 ft., each, 25c; 3 to 4 ft., each, 35c and 50c.

Paniculata (Tree form; see illustration). The plants we offer are trained to a straight stem, having a bushy top. Grown in this way they make handsome specimen plants on the lawn. In two sizes, each 50c and 75c.

HONEYSUCKLES

For real home vines, to be near you, climbing over your windows and doorways, there is nothing prettier than sweet-scented Honeysuckles. The foliage is pretty, neat, and clean; the flowers are almost continuous, and their fragrance delicious. The Climbing Honeysuckles are offered on page 75.



BUSH OR UPRIGHT HONEYSUCKLE

Bush Honeysuckle **(Lonicera Tartarica).** Plants of erect, shrubby habit, valuable for their white or pink flowers and the berries which follow after. They are among the most attractive of shrubs. Useful to plant for a division line between city lots. Height, 10 to 15 feet.

Tartarica. Pink flowers in May. Covered with orange-colored berries in fall. 2 to 3 ft., each 25c; 3 to 4 ft., each 50c; 4 to 5 ft., each 75c.

Tartarica Alba. White flowered. Same price.

INDIAN CURRANT. See Red Snowberry.

LIGUSTRUM. See Privet, on next page.

THE GARDEN MAGAZINE, published monthly. Publishers' price, $1.50 per year, and well worth it. Send us only $1.00 for subscription and save yourself 50 cents.

HYDRANGEA PANICULATA IN TREE FORM

THE LILACS (Syringa)

Lilacs stand more neglect, heat, or drouth without showing any bad effects, than any other plant, and there is hardly any other shrub that can take their place as ornamental plants for borders, etc. They bloom in early spring.

Persica (Persian Lilac). Flowers pale lilac, dwarf growing sort, with slender branches and narrow leaves. Pale lilac fragrant flowers in spring. 2 to 3 ft., each 25c; 3 to 4 ft., each 50c; 4 to 5 ft., each 75c.

Vulgaris (Common Lilac). The fine old purple-flowered variety. 2 to 3 ft., each 25c; 3 to 4 ft., each 35c; 4 to 5 ft., each 50c.

Vulgaris Alba. White-flowered common lilac. 2 to 3 ft., each 25c; 3 to 4 ft., 35c; 4 to 5 ft., each 50c.

Philadelphus **(Mock Orange).** This fine old shrub which in some localities is known as Syringa is a universal favorite. All the varieties flower in June after the Weigelia. The pure-white, sweet-scented flowers are fine for cutting. These shrubs grow tall; they are valuable for backgrounds and screens.

Coronarius (Garland Syringa). Grows 8 to 10 feet high. One of the earliest. 2 to 3 ft., each 25c; 3 to 4 ft., each 50c.

Aureus. Medium in height. Foliage golden yellow. 1 to 2 ft., each 35c; 2 to 3 ft., each 50c.

Grandiflorus (Large-flowered Syringa). Grows 10 feet high. In June bears large, showy, slightly fragrant flowers. 2 to 3 ft., each 25c; 3 to 4 ft., each 35c; 4 to 5 ft., each 50c.

Prunus **(Flowering Plum).** A strong-growing shrub which in May is decked with very double, light-pink blossoms. 2 to 3 ft., each 25c; 3 to 4 ft., each 50c.

Rhus or Sumac

Sumac grows readily and easily under almost any conditions. Any one familiar with their beautiful fern-like foliage and gorgeous autumn colors can appreciate their utility for planting out.

Copalina (Dwarf Sumac). Shining green foliage which turns crimson in fall. 2 to 3 ft., each 25c; 3 to 4 ft., each 50c.

Glabra laciniata (Cut-leaved Sumac). Like the other Sumacs, the foliage turns a rich red in fall. Red berries in summer. 2 to 3 ft., each 25c; 3 to 4 ft., each 50c.

Typhinia laciniata (Cut-leaved Stag Horn Sumac). Very deeply cut leaflets. 1 to 2 ft., each 50c; 2 to 3 ft., each $1.00.

Ribes (Flowering Currant)

Prized for their wealth of fragrant, small, bright flowers in early spring. Much used in shrubberies.

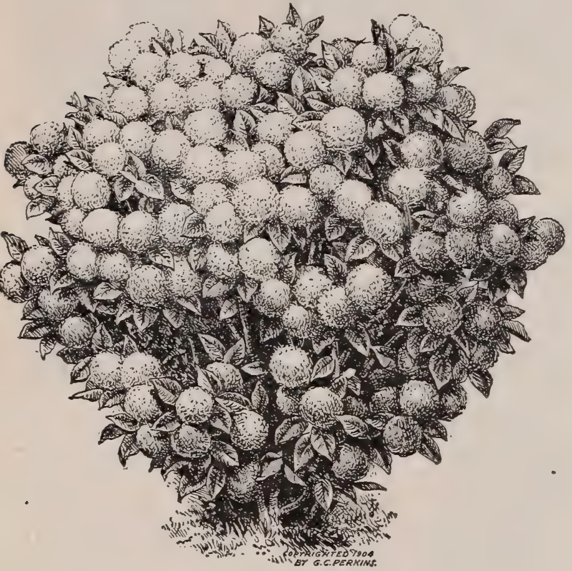
Missouri Golden. Spicy yellow flowers in May. 2 to 3 ft., each 25c; 3 to 4 ft., each 50c.

Snowball (Viburnum)

A superb, much-admired shrub, bearing, in June, great clusters of white flowers in the form of a snowball. They are perfectly hardy, grow quickly, and are remarkably free from attacks of insects.

Opulus (High or Bush Cranberry). Pure white flowers in clusters, followed by red berries. Grows 8 to 10 feet high. Both useful and ornamental.

Opulus Sterilis. The common Snowball or Guelder Rose. Broad and handsome leaves. Grows to large size. In May covered with globular clusters of pure-white sterile flowers.



JAPAN SNOWBALL

Plicatum (Japan Snowball). The best of the Snowballs. Moderate in growth. Handsome pleated foliage; pure white, globular flowers; heads produced all over the bush. Surpasses the common variety in several respects. Habit is better, foliage much handsomer, flowers more delicate.

Any of the three varieties, 2 to 3 ft., each 25c; 3 to 4 ft., each 35c; 4 to 5 ft., each 50c.

Symphoricarpus (Wax Berry)

Grows from 3 to 6 ft. high. They are useful to plant in shady places or where little else will grow. Berries hang on all winter. Hardy and very ornamental.

Racemosus (Snowberry). Red flowers; white berries. 2 to 3 ft., each 25c; 3 to 4 ft., each 35c; 4 to 5 ft, each 50c.

Vulgaris (Coralberry, Indian Currant). Similar to above; purplish red berries. 18 to 24 in., each 15c; 2 to 3 ft., each, 25c; 3 to 4 ft., each 35c.

Variegated Leaved. Leaves marked with yellow and green. 18 to 24 inches, each 25c; 2 to 3 ft., each 40c.

THE SPIREAS

This class of shrubs offers a great variety both in flowers and foliage. They are all of easy culture and rapid growth. They amply repay the planter with an abundance of beautiful flowers. There are both tall and dwarf sorts.

Anthony Waterer. Of dwarf growth; blooms all summer. Color, bright crimson. 12 to 18 inches, each 25c; 18 to 24 inches, each 40c; 2 to 3 ft., each 75c.

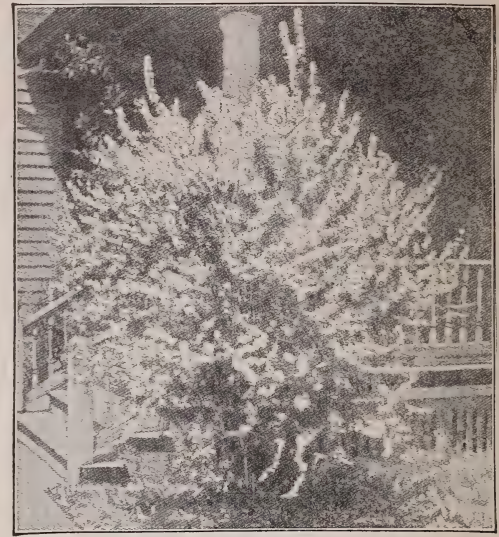
Arguta. Graceful, dwarf habit. Pure white flowers in May. 18 inches to 2 ft., each 25c; 2 to 3 ft., each 40c; 3 to 4 ft., each 50c.

Billardi. Strong growing. July and August. We have both white and pink flowered. 2 to 3 ft., each 25c.

The Spireas—continued

Opulifolia (Ninebark). Medium growth. Clusters of white flowers in June. 2 to 3 ft., each 25c; 3 to 4 ft., each 40c.

O. Aurea. A variety of above with golden tinted foliage. 2 to 3 ft., each 25c; 3 to 4 ft., each 35c; 4 to 5 ft., each 50c.



SPIREA PRUNIFOLIA, "BRIDAL WREATH"

Prunifolia (Bridal Wreath). Pure white, double, graceful flowers like Daisies. Blooms in May. Strong, upright grower. 2 to 3 ft., each 25c; 3 to 4 ft., each 35c; 4 to 5 ft., each 50c.

Van Houttei. When in bloom in May and June, it is a weeping fountain of snow-white flowers, borne on branches 2 feet or more in length. 2 to 3 ft., each 25c; 3 to 4 ft., each 35c; 4 to 5 ft., each 50c.

Tamarix

Africanus. Strong, slender, upright shrub with feathery foliage like Asparagus. Bears pink flowers in May. Useful for backgrounds of shrubbery borders. 2 to 3 ft., each 25c; 3 to 4 ft., each 35c; 4 to 5 ft., each 50c.

Weigelia

Shrubs of erect habit while young. They gradually spread and droop as they grow older. Their time of blooming is after the lilacs are gone, and they produce large trumpet-shaped flowers of all shades and colors from pure white to red.

Candida. Snow-white flowers in June and July.

Rosea. Fine rose-colored flowers; one of the best.

Variegata. Dwarf in habit; flowers rose-blush, smaller than the others; silvery, variegated foliage.

Eva Ratke. The finest Weigelia in cultivation. Trumpet-shaped, carmine-red flowers.

Any of the 4 varieties, 2 to 3 ft., each 25c; 3 to 4 ft., each 50c; 4 to 5 ft., each 75c.

PLANTS FOR HEDGES AND SCREENS

Arbor Vitæ, Barberries, Tartarian Honeysuckles, and Japan Quince, already described, make good hedge plants. Privet hedges are universally known and generally used. There are several varieties. Space does not permit description.

PRIVET, Amoor. 18 to 24 in., each 15c; doz., $1.50; 100, $10.00. 2 to 3 ft., each, 20c; doz., $2.00; 100, $15.00. 3 to 4 ft., each 30c; doz., $3.00; 100, $20.00.

P. Californian. 2 to 3 ft., each, 15c; doz., $1.50; 100, $10. 3 to 4 ft., each 25c; doz., $2.50; 100, $18.00. 4 to 5 ft., each, 50c; doz., $5.00; 100, $30.00.

P. Vulgaris. 1½ to 2 ft., 15c; doz., $1.50; 100, $10.00; 2 to 3 ft., each, 20c; doz., $2.00; 100, $15.00. 3 to 4 ft., each, 30c; doz., $3.00; 100, $20.00.

P. Chinese. Same sizes and prices as Vulgaris in preceding paragraph.

P. Ibota. Believed to be the most hardy variety. 1½ to 2 ft., each, 15c; doz., $1.50; 100, $12.00. 2 to 3 ft,, each, 20c; doz., $2.00; 100, $15.00. 3 to 4 ft., each, 35c; doz., $3.50; 100, $25.00.

Selected Fruit Trees

ESPECIAL attention is called to the **very superior quality** of the nursery stock we supply. Much of it is our own growing. It is **first-class** in every respect, **smooth, straight, handsome.** Only a few varieties are given under each heading. They are such as have proved themselves suitable for the Central and Western States. We recommend spraying as an essential in successful culture.

Packing and delivery to railroad depot or express office in Chicago, **free of charge.** For light shipments we advise express; larger quantities or heavy packages generally go safely by freight. **Purchaser pays transportation charges.** State if we shall ship by express or freight. Where no instructions are given, we use our best judgment as to route, but will not be responsible for delays.

Certificate of Inspection, showing freedom of our stock from San Jose Scale and other injurious insects and diseases, will be attached to all freight and express shipments.

About Planting and Pruning

Dig the hole intended for the tree of ample size to permit the young rootlets soft ground in which to grow. Plant about two inches deeper than the tree stood in the nursery. Use the top soil for contact next to the roots and see that every space is filled in, firming the soil gently with the foot.

Before setting out, all broken or bruised roots must be amputated. Many persons plant out trees without pruning, which often results in failure to grow. The branches must be cut back to within three or four buds of their base. In brief, when the roots are small and the top heavy, prune severely, and contrawise if the conditions are the reverse.

Suitable Distances for Planting

Apples	30 to 40 feet
Pears, Standard	8 to 10 feet
Pears, Dwarf	10 feet
Cherries	18 to 20 feet
Peaches	16 to 18 feet
Plums	16 to 20 feet
Quinces	10 to 12 feet

APPLES

5 to 6 ft., each 25c, doz. $2.50; 6 to 7 ft., each 35c, doz. $3.50; extra heavy, each 75c to $1.00.

Description is intended to cover color, quality and season.

Early Harvest. Yellow; subacid; August.

Red Astrachan. Beautiful deep crimson, tender, juicy, sour; August.

Duchess of Oldenburg. Yellow, streaked red; subacid; September.

Alexander. Red; early fall.

Keswick Codlin. Pale yellow; fine for cooking; August to October.

Maiden's Blush. Shaded red on pale yellow; subacid; great bearer; September and October.

Yellow Transparent. Pale yellow; one of the best early apples; good grower and heavy bearer.

WINTER VARIETIES

Baldwin. Bright red; juicy, crisp; December to April.

Ben Davis. Beautiful deep crimson. Handsomely formed fruit.

Fameuse (Snow Apple). Deep crimson; flesh tender, fine for dessert. November to January.

Gano. Like Ben Davis in size and productiveness; fruit deep, dark red; handsome; December to March.

Grimes' Golden. Yellow; subacid, aromatic and rich. January to April.

Mammoth Black Twig. Dark red.

Northern Spy. Flesh white and delicious; January to June.

Jonathan. Glossy, dark red; flesh spicy; November to April.

Tolman Sweet. Yellow, tinged with red. Hardy and productive.

Wealthy. Whitish yellow; subacid; one of the most desirable varieties.

Martha. Glossy; shaded bright red; October and November.

CRAB-APPLES

Price same as other apples.

Hyslop. Deep crimson; October.

Transcendent. One of the largest; glossy carmine; juicy, excellent for cider. Immensely productive.

Yellow Siberian. October.

CHERRIES

4 to 5 ft., each 40c, doz. $4.00; 5 to 6 ft., each 50c, doz. $5.00.

Dyehouse. A very early and certain bearer; ripens a week before Early Richmond; June.

Early Richmond. Early; dark red; subacid; juicy; June.

Montmorency. A large, red, acid cherry, larger than Richmond, and about ten days later.

Ostheimer. A perfectly hardy, late-bearing immensely productive variety; large, heart-shaped, nearly black when ripe; juicy and rich; August.

PEACHES

Healthy trees with splendid roots. 4 to 6 ft., each 20c, doz. $2.00; 5 to 7 ft., each 30c, doz. $3.00.

Barnards. Medium; yellow; juicy and rich; hardy and productive; September.

Elberta. Large; golden yellow with red cheek. Firm and of finest quality. September.

Crawford's Late. A superb, large, yellow peach; one of the best; ripens last of September.

Crawford's Early. Same as above. Ripens about first of September.

Old Mixon Free. Large, pale, yellow, deep red cheek; white flesh; tender.

Yellow St. John. Nearly as large as Crawford, fully equal in color; fruit round, brilliant, showy; August.

PEARS

STANDARD. 4 to 5 ft., each, 25c; doz., $2.50. 5 to 7 ft., each, 50c; doz., $5.00. Extra heavy, each, 75c to $1.00, according to size.

Bartlett. Buttery, juicy, great bearer.

Flemish Beauty. Pale yellow tinged with reddish brown. Large.

Kieffer. Russety yellow. Sweet.

Koonce. Yellow with carmine cheek.

Seckel. Small; yellow, red cheek.

DWARF. 2 to 3 ft., each, 25c; doz., $2.50. 3 to 4 ft., each, 50c; doz., $5. Extra heavy, each 75c to $1.00.

Dutchesse d' Angouleme. Golden yellow; flesh melting.

Flemish Beauty. **Kieffer.**

PLUMS

We offer fine trees of Native, European, and Japanese varieties. 4 to 6 ft., each, 25c; doz., $2.50. 6 to 7 ft., each, 40c; doz., $4.00.

Abundance (Japan). Lemon yellow overspread with cherry; August.

Burbank (Native). A week later than Abundance. Large; nearly oval; cherry red.

De Soto (Native). Bright red; sweet, good quality; September.

Lombard (European). Medium size; oval; violet red; August.

Pottawattomie (Native). Yellow with pink and white dots; August.

Wild Goose (Native). Red with blue bloom; spicy and sweet; July.

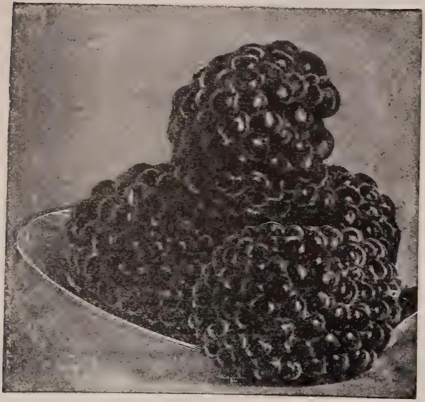
Shropshire Damson (European). Fruit medium size, dark purple; best for preserving; October.

MULBERRY, Russian. Fruit of a delicious quality; larger than Blackberries. 5 to 6 ft., each 40c; 6 to 8 ft., each 50c; 8 to 10 ft., each $1.00.

QUINCE, Meech. Large, orange-colored fruit; cooking quality unsurpassed. 4 to 5 ft., each 75c.

Choice Selection of Small Fruit

Avoiding the long lists of varieties which tend only to confuse the inexperienced planter we offer a selected list of the several sorts we know will give satisfaction.



RATHBUN BLACKBERRY

BLACKBERRIES

Set the plants out in rows 6 feet apart and 4 feet apart in the row. Dozen, 50c; 100, $3.00 unless noted. *If by mail, add 35c per 100, postage.*

Early Harvest. The earliest of all.
Erie. Large, rich fruit, uniform.
Rathbun. Very large, jet black, luscious fruit. Doz., 75c; 100, $5.00
Snyder. Hardy and well known.

RASPBERRIES

Plant in rows 5 feet apart and 3 feet apart in the row. Doz., 50c; 100, $3.00. Postage, 50c per 100.

Cumberland. Black cap.
Cuthbert. Red; sweet.
Gregg. Black cap; hardy.
Loudon. Red; large berries.
Turner. Red; almost thornless.

Small Fruit Culturist

Many beautiful engravings. Postpaid, $1.00.

COLORADO BLUE SPRUCE

CURRANTS

The plants of this fruit should be set 3 to 4 feet apart, in good, rich soil. Can not be sent by mail, too large and heavy. One-year, each, 15c; doz., $1.50; 100, $10.00. Two-year, each, 25c; doz., $2.50; 100, $15.00. Three-year, each, 40c; doz., $4.00; 100, $25.00.

Champion. Black; large berries.
Cherry. Red; short bunches.
North Star. Red; hardy; good quality. Bush is a strong grower. One of the best.
White Grape. White; very large. Productive.
White Grape. Yellowish-white

GOOSEBERRIES

One-year, each, 15c; doz., $1.50. Two-year, each, 25c; doz., $2.50. Three-year, each, 50c; doz., $4.00.

Downing. Pale green. Sweet; nearly free from mildew. Fine quality.
Houghton. Small, pale red berries. Productive and of good flavor.
Industry. Dark red, excellent flavor.
Red Jacket. Large berries. A great yielder; best one of its color.

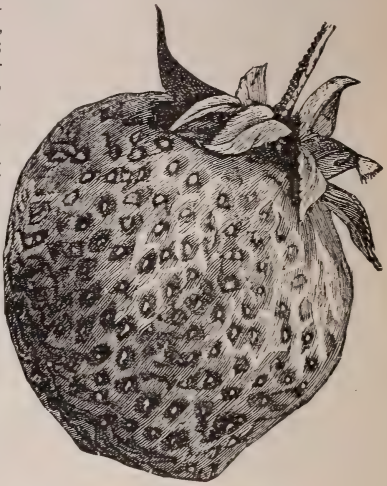
HARDY GRAPES

Set them 8 to 10 feet apart. One-year, each, 15c; doz., $1.50; 100. $10.00. 2-year, each, 25c; doz., $2.50; 100, $18. 3-year, each 40c; doz., $4.00; 100, $30.

Brighton. Red. Ripens early.
Elvira. White; good for wine.
Concord. Black. Well known. Fall.
Moore's Diamond. White.
Moore's Early. Black; round.
Niagara. Greenish white. September Pulpy, sweet, and good.
Pockington. Golden yellow.
Worden. Black; better than Concord.

STRAWBERRY CULTURIST

By Fuller. Gives a vast amount of reliable and practical information. Postpaid, 25c.



SENATOR DUNLAP

STRAWBERRIES

Varieties marked (P) have imperfect flowers; they will not produce well unless every fourth or fifth row or plant is a perfect flowering variety, as are all not so marked. Field-grown plants: Dozen, postpaid, 25c; 100, $1.00, by express, purchaser to pay transportation.

Brandywine. Late; heart-shaped.
Climax (P). Early; large fruit.
Fairfield (P). Early; roots deeply.
Senator Dunlap. An exceptionally fine sort. Fruit is dark red, firm and glossy. Ripens in midseason.
Stevens' Late Champion (P). Large, bright colored, fine flavor.
Wm. Belt (P). Midseason; bright red.

SELECTED EVERGREEN TREES

Evergreen Trees may be planted in spring, or with equal success later, in August and September. Owing to limited space, we can name but the hardiest and most useful, and of these the descriptions are necessarily brief

ARBOR VITÆ. Pyramidal. Upright habit; rich dark-green foliage. Best tall growing sort. 2½ to 3 ft., each 75c; doz., $7.50. 5 to 6 ft., each, $3.00.
Tom Thumb. Its low growth makes it desirable; light-green foliage. 1 to 1½ ft., each 75c, doz. $7.00; 1½ to 2 ft., each $1.00, doz. $9.00.
Golden Chinese. Conical form, yellowish green in spring, later changes to old gold. 2 to 3 ft., each $2.00.
BALSAM FIR. Leaves dark-green above, silvery beneath. Conical; erect, rapid grower. 3 to 4 ft., each $1.25; 4 to 5 ft., each $2.00.
HEMLOCK, Canadensis. A handsome lawn tree with drooping branches and dark foliage. Hardy; grows rapidly. 2½ to 3 ft., each $1.25, doz. $12.50; 3 to 4 ft., each $2.00, doz. $21.00; 4 to 5 ft., each $2.50, doz. $27.50.
JUNIPER, Irish. Erect, conical; soft silver-green foliage. Each. 75c and $1.00.
PINE, Austrian. Robust, hardy, spreading. Long, stiff, dark-green leaves. Does well in Western States. 2 to 2½ ft., each $1.25, doz. $12.50; 2½ to 3 ft., each $1.75, doz. $17.50.
Scotch. A superb, rapid growing tree; spreading branches, silvery green foliage. 2 to 2½ ft., each 75c, doz. $7.50; 2½ to 3 ft., each $1.00.
White. Our native variety. It flourishes in poor sandy soil, and makes a rapid growth. Delicate silvery green foliage. 2 to 2½ ft., each $1.00, doz. $10.00; 2½ to 3 ft., each $1.25, doz. $12.00.
RED CEDAR. Fine for screens and hedges, bears clipping to any shape. 2½ to 3 ft., each $1.50, doz. $15.00; 4 to 5 ft., each $2.50 doz. $25.00.
SPRUCE, Colorado Blue. A beautiful tree with foliage sometimes blue, mostly green. Free grower, perfectly hardy. 1½ to 2 ft., each $1.50, doz. $15.00; 2½ to 3 ft., each $2.50, doz. $24.00.
Norway. Valued highly for windbreaks and shelters; vigorous grower; foliage bright green. 2 to 2½ ft., each 50c, doz. $5.00; 2½ to 3 ft., each 75c.

Ornamental Deciduous Trees

WE do not place before the buyer an extended list of varieties, which tends only to confuse. Those catalogued are selected as the most desirable. Packing and delivery to railroad depot or express office in Chicago, free of charge. Quotations for larger sizes and for other varieties than those named will be given by letter to those desiring the same. Please state your requirements definitely.

ALIANTHUS (Tree of Heaven). Rapid grower, with long feathery foliage; exempt from insects and disease. 4 to 6 ft., each 30c; 6 to 8 ft., each 50c; 8 to 10 ft., each 75c.

ALDER, European or Common. Suitable for moist situations. Grows 30 to 50 feet high. Foliage wedge-shape, wavy. 4 to 6 ft., each 50c; 8 to 10 ft., $1.00.

ARALIA (Hercules Club). Small tree with pinnate leaves; prickly stems; white flowers in August. 3 to 4 ft., each 50c; 4 to 6 ft., each 75c; 6 to 8 ft., each $1.00.

ASH, American White. Hardy, vigorous, upright. 6 to 8 ft., each 35c; 8 to 10 ft., each 75c; 10 to 12 ft., each $1.00. Extra large, each $1.50 and $2.50.

European. Spreading head; gray bark; white flowers in June. 6 to 8 ft., each 50c; 8 to 10 ft., each $1.00.

Mountain Ash. White flowers in spring, followed by red berries which hang on until winter. 6 to 8 ft., each 50c; 8 to 10 ft., each $1.00.

BEECH, Purple=Leaved. A fine lawn tree, 3 to 4 ft., each $1.50; 4 to 6 ft., each $2.00.

BIRCH, Weeping Cut=Leaf. See next page.

White. The native birch; drooping and graceful. 4 to 6 ft., each 50c; 6 to 8 ft., each 75c; 8 to 10 ft., each $1.00.

BOX ELDER (Ash=leaved Maple). An esteemed native tree of fine form with peculiar foliage. Vigorous and hardy. 4 to 6 ft., each 50c; 6 to 8 ft., each 75c; 8 to 10 ft., each, $1.00; large, selected trees, each, $1.50.

CATALPA Bungei (Chinese Catalpa). It makes a beautiful umbrella-shaped tree. Foliage large and glossy. Habit dwarf. One-year head, 6 ft. stem, each $1.00; 2-year head, 8 ft. stem, each $2.00.

Speciosa (Hardy Catalpa). Highly esteemed and is being largely planted as a timber. No more ornamental tree grows. Large heart-shaped leaves and immense clusters of tri-colored flowers. 6 to 8 ft., each 25c; 8 to 10 ft., each 50c; 10 to 12 ft., each 75c; specimen trees, each $1.50 and $2.50, according to diameter.

CHERRY, Wild Black. Most valuable timber tree. Unusually rapid grower. Very ornamental and when in bloom a grand sight. Flowers sweet-scented. 6 to 8 ft., each 50c; 8 to 10 ft., each 75c. Specimen trees, each $1.50.

CRAB, Bechtel's Double-Flowered

At a distance the pretty medium-sized tree seems to be covered with dainty little roses of a delicate pink color. Very fragrant, blooms when young. The most beautiful of Flowering Crabs. 3 to 4 ft., each 75c; 5 to 6 ft., each $1.00.

AMERICAN ELM

Elms There is no finer tree for street and park planting than the Elm. We are able to supply in several sizes. Splendid trees for shade. Camperdown, the picturesque weeping elm, will be found on following page under Trees of drooping habit.

American. Strong and long-lived. Thrives in almost any soil. Eight ft., each 50c; 8 to 10 ft., each 75c; 10 to 12 ft., each $1.00. Specimen trees, each $2.00.

English. Smaller leaves and darker than American. Sizes supplied and prices same as above.

Scotch or Wych. Large dark leaves; spreading head; rapid grower. Sizes furnished and prices therefor same as American.

GINKGO (Maiden Hair Tree). Long, hairy-like foliage. This tree is immune from insects. Ornamental on public grounds, lawns or in street planting. 6 to 8 ft., each 75c.

HACKBERRY (Nettle Tree). Thick, rough bark; foliage like apple leaves but more pointed. A fine street tree. 6 to 8 ft., each 50c; 8 to 10 ft., each 75c; 10 to 12 ft., each $1.00. Specimen trees, each $1.75.

HORSE CHESTNUT, White=Flowered. One of the best ornamental trees. Blooms in May. Hardy and not liable to disease. 4 to 5 ft., each 75c; 5 to 6 ft., each $1.00; 6 to 8 ft., each $2.00.

JUDAS TREE (Red Bud). Rapid grower; round head. Flowers rosy red; appear before the leaves. 3 to 4 ft., each 30c; 4 to 5 ft., each 50c; 6 to 8 ft., each $1.00.

LINDEN, American (Basswood). Round head. Large leaves and fragrant flowers which attract bees. Valuable for street planting. 6 to 8 ft., each 50c; 8 to 10 ft., each $1.00; 10 to 12 ft., each $1.50. Specimen trees, each $2.00.

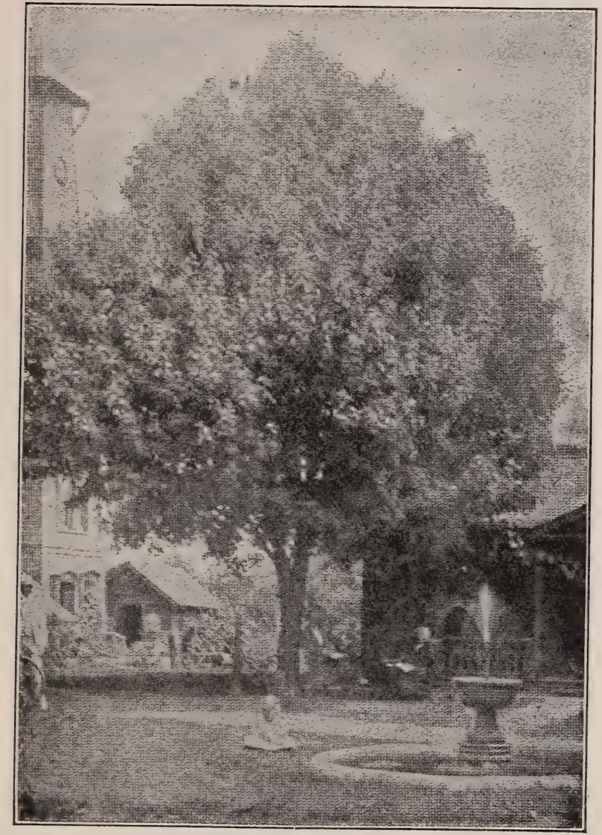
MAGNOLIA Acuminata. Pyramidal form, vigorous; hardy. Flowers yellow, tinted with bluish purple, followed by large cucumber-shaped fruits that turn bright crimson. 6 to 8 ft., each $1.00.

Soulangeana. Blooms in May before the leaves appear. Flowers cup-shaped, white and purple. Shrubby while young but develops into a fair-sized tree. 3 to 4 ft., each $1.50.

Ornamental Deciduous Trees—Continued

Maple This is a valuable family of trees. Maples are among the finest shade trees, beautiful in foliage, free from diseases, and adapted to all soils,—merits which make them universally popular.

Ash Leaved (Box Elder). An esteemed native variety. Fine form and peculiar foliage. Vigorous and hardy. 4 to 6 ft., each 50c; 6 to 8 ft., each 75c; 8 to 10 ft., $1.00.



NORWAY MAPLE

Norway. A large, handsome tree, with broad, deep-green foliage; very compact growth, rendering it one of the most desirable varieties for the street, park, or garden. Perfectly hardy. 6 to 8 ft., each 50c; 8 to 10 ft., each $1.00; 10 to 12 ft., each $2.00.

Purple Norway Maple. Young leaves crimson in spring, changing to purplish green with age. 6 to 8 ft., each, $1.00; 8 to 10 ft., each, $2.50.

Silver or Soft. A rapid-growing tree of large size; irregular rounded form; foliage bright green above, silvery beneath; a favorite street and park tree. 6 to 8 ft., each 35c; 8 to 10 ft., each 50c; 10 to 12 ft., each 75c. Specimen trees, each $1.50 and $2.75.

Sugar or Hard. Valuable for sugar, lumber, shade, and adornment. Roots deeply, slow grower; hardy and permanent. 6 to 8 ft., each 50c; 8 to 10 ft., each $1.00; 10 to 12 ft., each $2.00.

Wier's Cut=leaved Maple. A handsome variety of the Silver-leaved type. Equally hardy and vigorous. Of drooping, graceful habit. Leaves regularly cut. One of the handsomest lawn trees. 8 to 10 ft., each 60c; 10 to 12 ft., each $1.00; specimen trees, each $2.50 and $3.00.

MULBERRY. See under Fruit Trees. Mulberries are sometimes classed among ornamental trees on account of their large, handsome leaves, dense shade, and fine, compact growth. For Weeping Mulberry see next column.

Poplar Poplars are rapid growing trees, which thrive best in damp situations, although they succeed in any soil. They quickly give effective results for trifling expense.

Balm of Gilead. Of remarkably rapid and luxuriant growth, with large glossy foliage. 6 to 8 ft., each 40c; 8 to 10 ft., 75c; specimen trees, each $2.00.

Carolina. A very distinct tree, making a large, spreading head. Excellent for street planting, windbreaks, and screens. 6 to 8 ft., each 25c; 8 to 10 ft., each 50c; 10 to 12 ft., each 75c; specimen trees, each $1.25 and $2.

Lombardy. A well-known tree, remarkable for erect, rapid growth. 6 to 8 ft., each, 30c; 8 to 10 ft., each 50c; 10 to 12 ft., each 75c.

Silver=Leaved. Of wide, spreading habit and quick growth. Leaves dark green above and silvery beneath. 6 to 8 ft., each 50c; 8 to 10 ft., each 75c.

SYCAMORE or PLANE (Buttonwood). A native tree of majestic size. Its gray-white bark makes it conspicuous in winter. Good for street planting, also for shade. 4 to 6 ft., each 25c; 6 to 8 ft., 50c; 8 to 10 ft., each $1.

STRAWBERRY TREE, Cork=barked. Foliage small; in autumn turns to bright red. Of dwarf, compact habit. 1½ to 2 ft., each $1.00; 3 ft., each $1.50.

Burning Bush. A tall-growing variety. Leaves turn scarlet in fall; fruit large, dark red. 3 to 4 ft., 35c; 4 to 6 ft., each 50c.

TULIP TREE or Whitewood. Rapid grower; does well in moist ground. Has smooth bark, spreading branches, and dark-green glossy foliage. Beautiful, tulip-shaped flowers. 5 to 6 ft., each 50c; 6 to 8 ft., each 75c; 8 to 10 ft., each $1.00.

Willow Willows mature so rapidly that where quick results are desired they should be extensively planted. They will grow almost anywhere.

Golden=Barked. Its yellow bark makes this tree conspicuous in winter. 3 to 4 ft., each 25c; 4 to 6 ft., each 50c.

Salmon=Barked. A form of the above. The yellow bark on young wood is tinted with red. Sizes and prices same as Golden-Barked.

Laurel=Leaved. An ornamental tree with large, glossy leaves. Sizes and prices same as Golden-Barked.

Rosemary=Leaved. Slender twigs and silvery leaves. Makes an odd-shaped tree. Sizes and prices same as Golden-Barked.

Trees of Drooping Habit

ASH, Weeping Mountain. Covered from July until winter with bright-red berries. 1-year heads, each $1.00; 2-year heads, each $1.50.

BIRCH, Weeping Cut=Leaf. The most popular of all pendulous trees. Silvery white bark. 5 to 6 ft., 75c; 6 to 8 ft., each $1.00.

ELM, Camperdown. Tree covered with a canopy of green leaves. 2-year heads, each $1.25; 3-year heads, each $2.00; 4-year heads, each $4.00.

MULBERRY, Tea's Weeping. Makes an umbrella-shaped beautiful head. 2-year heads, each $1.00; 3-year heads, each $2.00.

WILLOW Babylonica. The well-known common drooping willow. 4 to 6 ft., each 50c; 6 to 8 ft., each 75c.

Wisconsin Weeping. Similar to but much hardier than Babylonica. 4 to 6 ft., each 50c; 6 to 8 ft., each 75c.

Kilmarnock. Umbrella-shaped head. 2-year heads, each $1.25; 3-year heads, each $2.00.

PLANTING ORNAMENTAL TREES

The following suggestions from the pen of an expert horticulturist and clever writer are worthy of careful study:

"Plant same as fruit trees, except that larger holes should be dug to accommodate the roots. The ground should be pressed down firmly over the roots with the foot. Two-thirds of the tops should be cut off on all ornamental trees, *except Cut-leaved Birch and Horse Chestnuts, which should not be headed in.*

"Care should be taken to prune the tops so that the trees will make a well-balanced, uniform top. The forming of the crown is regulated entirely by the pruning. On some kinds of trees it may be necessary to tie the tree to a strong stake to hold it firmly in its place. Wrap the trunks of Maples with building paper, four or five feet from the ground up, to keep out borers. Irrigate in dry seasons."

IMPLEMENTS, SUNDRIES, ETC.

IMPLEMENTS such as plows, harrows, etc., used in the preparation of land for farm crops are also made use of for fitting the soil for gardening operations. In addition there are a number of soil-working tools not in common use upon the farm, but which are of real necessity in practicing the art of gardening economically.

These gardening implements may be classed as **Seed Drills, Hand Cultivators, Combined Drills and Cultivators and Horse Cultivators.** At the U. of Minn. Experiment Station, Prof. S. B. Green made a special study of garden implements. He says: *"Among the best are those known under the names of New Universal and Matthews."*

☞We deliver these Implements to any Depot or Express Office in Chicago at prices given here.

SPECIAL PRICES.—If you raise Onions or Garden Truck and can use one or more of these Implements **and some garden seeds** let us know your requirements and *special prices* will be quoted to you by mail. Write to-day.

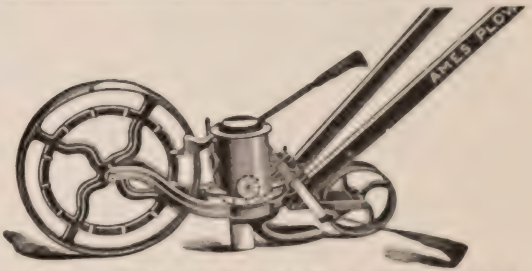
Matthews New Universal

Model Garden Drill.

Sows all kinds of Vegetable Seeds, including Peas, Beans and Corn. The depth may be gauged to any required space; will make a uniform deposit of the seed. It has a patent indicator bearing the names of different kinds of seeds, and conveniently located. Has the improved marker, and all late improvements (*see cut opposite*). This drill opens the furrow, drops and covers the seed, rolls down the earth over it and marks the next row, all by simply pushing the machine forward. **Price, boxed, $6.25.**

MATTHEWS "HILL AND DRILL" SEEDER.

The same in style as the Garden Drill, but is arranged so as to drop the seed either continuously in drill, or at distances of 4, 6, 8, 12, 16, 24 and 48 inches apart. The adjustment from drills to hills is made by one screw. The distance apart is regulated by the number of cogs on the Driving Wheel against which the agitator strikes. **Price, boxed, $7.00.**

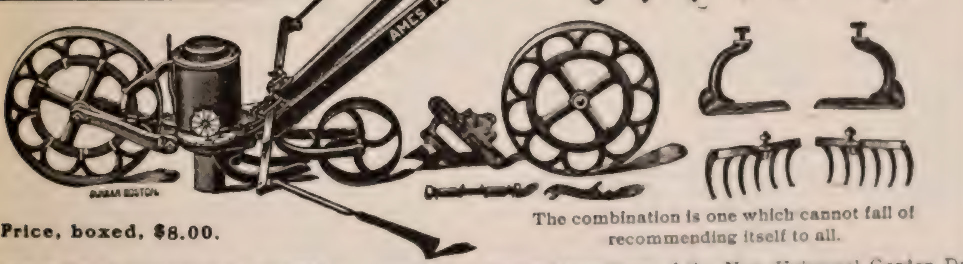


MATTHEWS GARDEN GEM DRILL

Operates almost the same as the regular Matthews Garden Drill, but is smaller pattern. It will sow most seed as perfectly as the most expensive drill, but is not large enough for beans, peas and corn. **It is just the thing for people with a small garden** where fine seeds such as turnips, onions, carrots, etc., only, are planted. It will make the furrow, drop and cover the seed and mark the next row as perfectly as any machine. **Price, boxed, $5.00.**

Matthews New Universal Constellation Drill.

This illustration shows the complete implement with all attachments furnished.


AMES PLOW CO.

Price, boxed, $8.00.

The combination is one which cannot fail of recommending itself to all.

Complete Catalogue of
Matthews Hand
GARDEN TOOLS
Free on Application.

IN THE CONSTELLATION is presented a brilliant assemblage of the New Universal Garden Drill, and the New Universal Wheel Hoe, Cultivator Rake and Plow, for use either as a

ONE WHEEL OR TWO WHEEL { Seeder, Hoe, Rake, Cultivator, Plow, Marker. } SIX IMPLEMENTS IN ONE

The change from one to the other being readily made.

SPECIAL FEATURES of this implement are: When used in straddle row cultivation, there is no projection beneath the Frame to interfere with plants; it may be used either astride or between the rows.

REMEMBER, this is the *only Combination Implement* made, that can be used either as a Seeder, or as a Cultivator, with One or Two Wheels as desired. Every gardener should have one, even if he does not cultivate more than one-eighth of an acre of the ground.

Cultivating Attachments

Are Shown Detached. They are:
1 Cultivator Frame,
1 Pair Hoes,
1 Pair Plows,
1 Pair Rakes,
1 Pair Narrow Cultivator Teeth,
1 Pair Wide Cultivator Teeth,
1 Center Cultivator Tooth,
1 Pair Markers.

We Carry the Best Line of Implements for Planting and Cultivating Vegetable Crops to be found in America.

New Universal Double Wheel Hoe, Cultivator, Rake and Plow.

Price, boxed, $5.00.

Specially designed for working both sides of the row at one passing. This new hand implement embraces all the good points of older efforts in the same line, and in addition offers new features which cannot fail of appreciation. The special recommendation is the *Adjustable Arch*, by which not only the *depth* of work can be gauged, but which, by an ingenious device, enables the teeth to be pitched at any angle desired. The attachments are: 1 pair hoes, 4 cultivator teeth, 1 pair plows, 1 pair rakes, and 1 pair vine guards.

New Universal Double Wheel Hoe

WITH ONE PAIR OF HOES ONLY. The same machine as the New Universal Double Wheel Hoe, rakes, plows, cultivator teeth and leaf guards omitted. Price, boxed, $3.50.

New Universal Expansion Double Wheel Hoe, Cultivator, Plow and Rake

Price, boxed, $6.00.

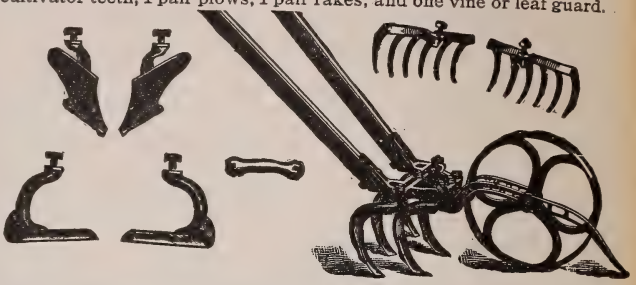
The wheels in this machine are 10½ inches in diameter. Has expansion pads, spring steel arch and brace.

The same machine, *with hoe blades only.* Price, boxed, $4.50.

New Universal Single Wheel Hoe, Cultivator, Rake and Plow.

Price, boxed, with all attachments, $4.50.

It can be used either between or astrfde the rows, although it is really intended for between row cultivation. For straddle cultivation the wheel can be set to one side so as to bring the row of *young* plants under center of frame, The adjustment for graduating the depth of cultivation is unique and readily accomplished. The attachments are: 1 pair hoes, 5 cultivator teeth, 1 pair plows, 1 pair rakes, and one vine or leaf guard.



New Universal No. 2 Single Wheel Hoe, Cultivator and Plow.

The same as the regular Single Wheel Hoe, except that the attachments are: 1 pair hoes, 3 cultivator teeth, 1 large plow. Price, **$4.00.** If this machine is wanted, **be sure to mention No. 2.**

New Universal Single Wheel Hoe

WITH HOE BLADES ONLY. Price, boxed, $2.75.

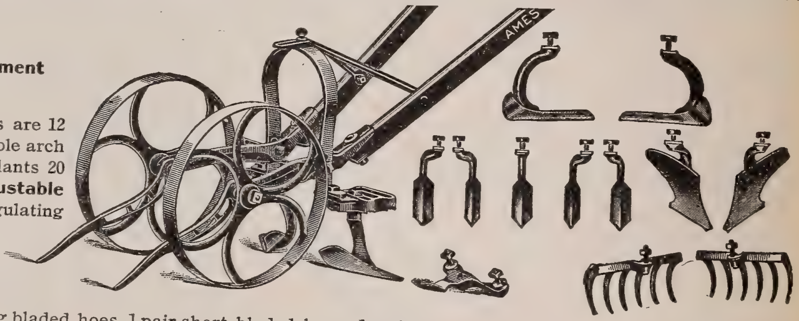
The price brings it within the reach of all.

New Universal HIGH ARCH EXPANSION Wheel Hoe, Cultivator, Rake and Plow.

PRICE, Boxed, $7.50.

A Double or single Wheel Implement at will.

In this new implement the wheels are 12 inches in diameter and the adjustable arch is high enough to cultivate over plants 20 inches or more in height. **The Adjustable Arch** also affords means for regulating depth and for setting pitch. This implement can be used either by a man or boy.



The attachments are: 1 pair long bladed hoes, 1 pair short bladed hoes, 1 pair narrow cultivators, 1 pair wide cultivators 1 center cultivator, 1 pair plows, 1 pair rakes, 1 pair vine guards, 1 center tooth holder.

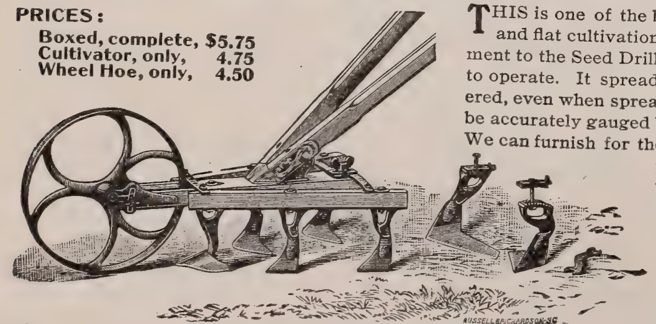
HIGH ARCH EXPANSION WHEEL HOE with hoe blade only. Price, boxed, $5.25.

MATTHEWS HAND CULTIVATOR AND WHEEL HOE.

PRICES:

Boxed, complete,	**$5.75**
Cultivator, only,	**4.75**
Wheel Hoe, only,	**4.50**

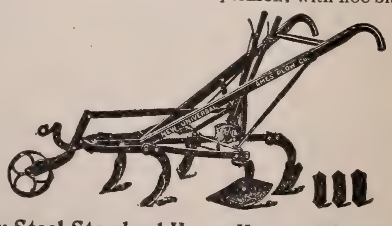
THIS is one of the best implements in use for weeding between row crops, and flat cultivation generally, and is an indispensable companion implement to the Seed Drill. It is thoroughly constructed, very durable, and easy to operate. It spreads from 6 to 14 inches, and will cut all the ground covered, even when spread to its greatest extent. The depth of cultivation may be accurately gauged by raising or lowering the wheel, which is quickly done. We can furnish for the Matthews Hand Cultivator, if desired, a pair of superior hoes, with long steel blades, for use in exchange with the cultivator teeth, which are easily and quickly adjusted, or we can furnish implement with hoe blades.



New Universal Harrow Cultivator,

✠ ✠ WITH 14 TEETH. ✠ ✠

For close working among small plants where it is not desired to throw the dirt but simply to loosen and pulverize it. The teeth are adjustable, either side up, both straight and slanting, thus combining several implements. Price, **$7.25** f. o. b. cars Chicago



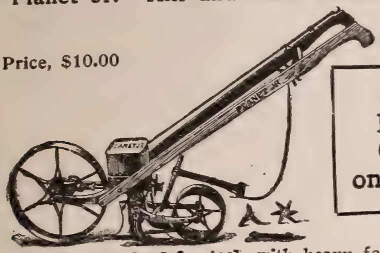
N. U. Hollow Steel Standard Horse Hoe and Cultivator

Strictly first-class in every way, and the equal of any implement in the market. Price, $6.25.

Planet Jr. Farm and Garden Implements

"Planet Jr." Hill and Drill Seeder

Price, $10.00



Complete
Planet Jr.
Catalogue
on application

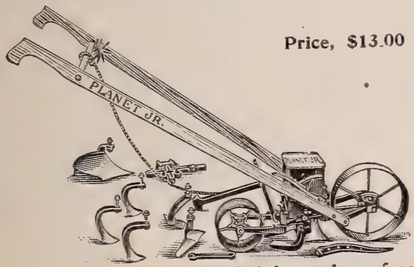
The No. 3 **driving wheel is steel,** with heavy forged steel spokes, not "piano wire," of proper height, with broad face, making the tool light and easy running, even with the hopper filled to the brim.

The special force feed is admirable, working equally well whether sowing with an ounce or a full hopper.

The hill dropping is simple and reliable; making hills either 4, 6, 8, 12, or 24 inches apart.

"Planet Jr." No. 25 Combined Hill and Drill Seeder, Double Wheel Hoe, Cultivator and Plow

Price, $13.00

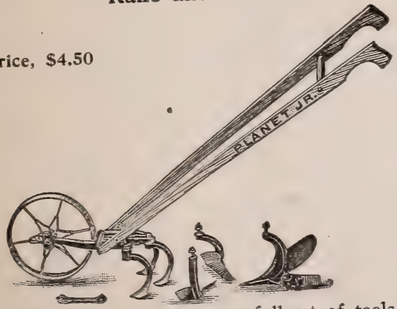


This combined machine is intended for a class of gardeners who have a large enough acreage in crops for a Double Wheel Hoe to be used to good advantage, and yet prefer not to buy a separate wheel hoe. It is large enough for field use, for it holds 2½ quarts.

As a drill it is almost identical with **No. 4 Drill**; will sow in drills or hills 4, 6, 8, 12 or 24 inches apart, and has the same automatic device for throwing out of gear and the new combined cut-off and seed index with screw adjustment.

"Planet Jr." No. 17 Single Wheel Hoe, Cultivator, Rake and Plow

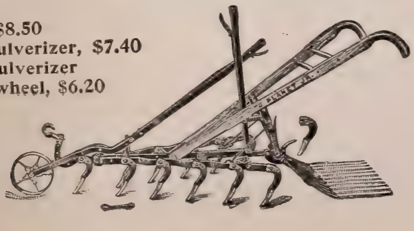
Price, $4.50



This single wheel hoe has a very full set of tools, several of them being of new design, such as have been found to work in the very best manner. It has 11-inch wheel, with broad face; is very light, strong and easy running. It has adjustable handles and quick-change frame.

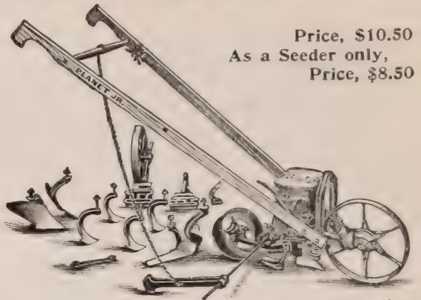
"Planet Jr." Twelve-Tooth Harrow, Etc.

Price, $8.50
Less pulverizer, $7.40
Less pulverizer
and wheel, $6.20



"Planet Jr." No. 4 Combined Seed Drill, Single Wheel Hoe Cultivator, and Plow

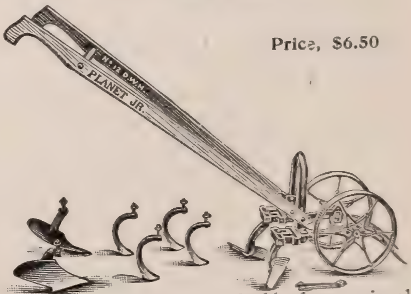
Price, $10.50
As a Seeder only,
Price, $8.50



This admirable tool combines in a single convenient implement a capital hill-dropping seeder, a perfect drill seeder, a single wheel hoe, a cultivator, and a plow. It holds two quarts and as a seeder sows in continuous rows or drops in hills at five different distances. It is thrown out of gear by simply raising the handles. The index is very accurate.

"Planet Jr." No. 12 Double Wheel Hoe, Cultivator and Plow

Price, $6.50

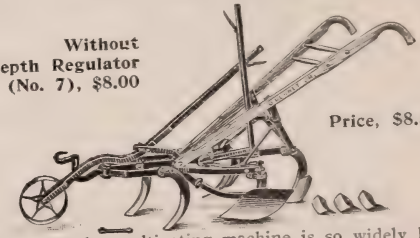


This perfected wheel hoe is invaluable for use in all small crops. Its variety of work is almost incredible. Changes and adjustments of the tools are made with the greatest quickness. It has 11-inch wheels, which can be set at four different distances apart; the frame can be set three different heights. The handles are adjustable at any height, and, being attached to the arch, are undisturbed in making changes.

"Planet Jr." No. 8 Horse Hoe and Cultivator

Without
Depth Regulator
(No. 7), $8.00

Price, $8.50



Probably no other cultivating machine is so widely known as the "Planet Jr." Combined Horse Hoe and Cultivator, for it is in use throughout the civilized world. It is so strongly built as to withstand incredible strain, yet it is light and easy to handle.

The Frame is extra long and extra high, making a tool that will not clog easily.

The Stiff Steel Standards are hollow with round throats; they polish quickly and free themselves readily from obstructions, and they clasp the frame and strengthen it.

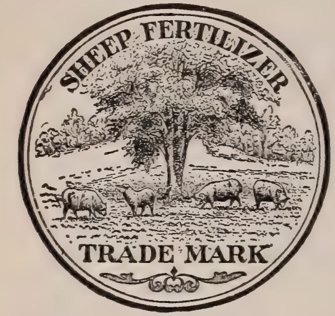
"Planet Jr." Twelve-Tooth Harrow, Cultivator and Pulverizer

This tool has rapidly grown into favor with farmers, market gardeners, and strawberry growers. It has a high frame and chisel-shaped teeth.

The Foot Lever Pulverizer is a capital addition for preparing ground for the seed drill or for plant setting. Hand levers regulate both width and depth **while in motion**; it contracts to 12 inches, and expands to 32 inches.

EFFECTIVE FERTILIZERS OF SUPERIOR QUALITY

WE HANDLE but one grade of **FERTILIZERS**, the **BEST**. **Special quotations to buyers of large quantities. "Feed the soil and the soil will feed you."** Crops cannot live and thrive on air and water alone. Their roots penetrate the earth and absorb therefrom the Nitrogen, Phosphoric Acid, Potash, or other elements of plant food they require. In some form these must be replaced.



Excellent top dressing for lawns. Its effect is immediate and lasting. Use at the rate of 500 lbs. per acre. For pot plants mix one quart manure to six quarts of soil. For the vegetable garden, spread over the surface one ton to the acre and dug in, it promotes speedy growth and rapid maturity. 10 lbs., 25c; 25 lbs., 40c; 50 lbs., $1.00; 100 lbs., $1.50; 500 lbs., $6.50; ½ ton, $11.00; ton, $20.00.

Bone Meal.

Guaranteed pure bone and equal to any brand. It is ground fine and is an excellent top dressing for lawns, grass lands, farm and field crops; also for mixing with potting soil, 25 lbs., 70c; 50 lbs., $1.25; 100 lbs., $2.00; bag of 200 lbs., $3.75; 500 lbs., $8.50; 1,000 lbs., $16.00; ton, $32.00.

Bone and Blood.

Recommended for mixing with potting soil, application to soil on benches for carnations, and for all vegetables. In garden plots apply one or two tons per acre. In rows or drills one or two hundred pounds to the acre will suffice. 100 lbs., $1.75; 500 lbs., $7.50; 1,000 lbs., $14.00; per ton, $27.50.

Lawn Fertilizer.

Dry, clean and free from weed seeds. If applied two or three times during the season at rate of one pound to one hundred square feet of lawn, just before a good rain, the grass roots are fed by it and the lawn retains a healthy appearance. 10 lbs., 45c; 25 lbs., 95c; 50 lbs., $1.75; 100 lbs., $3.00.

Unleached Hardwood Ashes.

Drives away insects and improves the texture of the soil. Use 1 to 2 tons per acre. It is very beneficial for all garden and field crops. Recommended to cabbage and onion growers. Of much value for grass land and lawns. 25 lbs., 50c; 50 lbs., 85c; 100 lbs., $1.25.

Nitrate of Soda.

A fertilizer for all crops. It acts quickly and hastens maturity of crops. **Should be applied broadcast and evenly, after the plants are up, at the rate of 100 lbs. per acre. Price (subject to market changes): 10 lbs., 60c; 25 lbs., $1.25; 50 lbs., $2.25; 100 lbs., $4.25.**

Vegetable Garden Fertilizer

This, when applied to vegetables, brings them into marketable condition from 10 to 14 days earlier, and increases the production from one-third to one-half. 10 lbs., 45c; 25 lbs., 95c; 50 lbs., $1.50; 100 lbs., $2.50.

Bowker's Plant Food.

Made especially for pot plants. Clean, free from odor. Stimulates growth, increases vitality. Directions with each package. Small size, 15c, by mail 25c; large size 25c, by mail 35c.

Sterlingworth Plant Tablets.

A new scientific odorless concentrated fertilizer for potted plants. It makes them grow and bloom luxuriantly. Used by dissolving in water. Drives insects and worms from the soil. Box sufficient for 35 plants, 3 months, 25c; large size, enough for 35 plants, 8 months, 50c. All postpaid.

Ammoniated Lawn Lime.

Kills Dandelions and Plantain on lawns, at the same time promoting the growth of the finer grasses. *Not prepaid:* 2-lb. tin, 25c; 5-lb., tin, 50c; 25-lb. bag, $2.00; 50 lbs., $3.50.

INSECTICIDES and REMEDIES for PLANT DISEASES

THE RESULTS obtained from the use of any insecticide or fungicide depend much upon the operator, says Prof. Bailey. **Timeliness, thoroughness and persistence** are the watchwords of success. It is easier to keep any enemy away than to drive him away.

Dry powder and soaps—non=poisonous—can be forwarded by mail. Postage 16c. per lb. additional. Liquid insecticides are not permitted in the mails.

Aphis Punk. For fumigating vegetable forcing houses and greenhouses. The fumes of the burning punk kill aphis and thrips. Pkg. (12 rolls), aphis and thrips. 12 rolls, 60c.

ARSENATE OF LEAD. It kills all leaf-eating insects like potato beetles and slugs. For ordinary purposes use a tablespoonful of the paste to one gallon of water. For potato beetles the amount may be doubled. It sticks to the leaves like paint. Price, *not prepaid:* 1-lb. jar, 25c; 5 lbs., $1.00; 2½ lbs., $2.00. Special price on larger quantities.

BUG DEATH. Not only kills the bugs but feeds the plants. Cheaper than Paris Green. Lb., 15c. Duster to apply the powder, 35c.

Fir Tree Oil. Kills mealy bug, black and green fly, red spider, etc. Directions on can. Pint, 75c.

HELLEBORE. Destroys currant worms and rose slugs. Lb., 25c; 5 lbs. for $1.00.

NICO-FUME. This is paper strongly saturated with nicotine. 24 sheets, 70c; 100 sheets, $3.50.

Nico-Fume Liquid. ¼ pint, 50c; pint, $1.75.

NICOTEEN. A powerful extract for fumigating or spraying. Pint, $1.50.

Nicoticide. Fumigating compound. 4 oz., 70c; ½ pt., $1.25.

PARIS GREEN. The best in the market, sure death to potato bugs, slugs, caterpillars, etc. Use dry or in solution. Price, subject to market. Lb., 40c; 5 lbs., $1.85.

SLUG SHOT. A non-poisonous insecticide. It is cheap and very effective. It is easily applied and contains nothing in the least injurious. Destroys potato bugs, beetles, green and black fly, melon, squash and cucumber bugs, etc. 5 lb. package, 30c; 10 lbs., 50c.

Slug Shot Duster. Tin, each, 35c.

SOAP. Sulpho-Tobacco. A superior insecticide and fertilizer. Sure death to all plant insects in and out of doors. A superior wash for dogs and all animals. Cakes, each, 14c and 25c postpaid. Directions accompany each.

SOAP, Whale Oil. Used as a wash on fruit trees, etc. Lb., 15c; 2 lbs. for 25c; 5 lbs., 50c.

Rose Leaf Extract of Tobacco. 1 pint, 30c; 1 quart, 50c; 1 gal., $1.25; 5 gal. can, $4.25.

Tobacco Stems. Used for fumigating and as a mulch. 10 lbs., 50c; bale (about 200 lbs., more or less), $1.25 per 100 lbs.

Tobacco Dust. Sure death to green fly. 5 lbs., 25c; 100 lbs., $2.25.

Tobacco, Powdered. More powerful than dust. 5 lbs., 40c; 10 lbs., 70c; 25 lbs., $1.25; 100 lbs., $4.75.

Bordeaux Mixture (Dry). The best remedy for mildew, black rot, leaf curl, etc. 1 lb. makes 5 gallons of solution. Lb., 20c.

Bordeaux Mixture and Paris Green. Lb., 25c.

Grape Dust. Destroys mildew, mould and rust in greenhouses or open air. 5 lbs., 35c.

Powdered Sulphur. Prevents and cures mildew on grapes, roses, etc. Lb., 10c. 10 lbs., 60c.

Lime-Sulphur Solution. A perfect Scale and Fungus destroyer, especially for Plum and Peach Trees. It must be diluted and applied with a spray pump while the trees are dormant, after the leaves have fallen in fall and before the buds swell in spring. It can be used quite strong—say 1 gallon to 20 gallons of water—during December, January, and February, but earlier or later than these months it will be safer to dilute it 1 gallon to 40 of water. Price, quart can, 35c; ½ gallon, 50c; gallon, 75c; 5 gallons, $2.75.

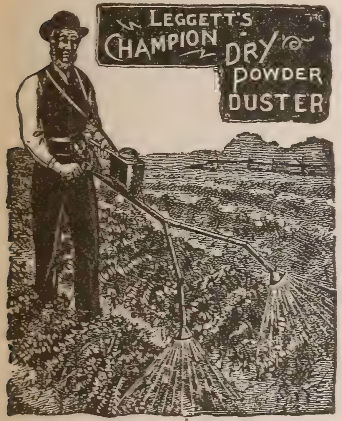
We can supply descriptive circulars regarding most of the above. Write us for what you want or ask for information.

Spraying and Dusting Implements

THE use of sprayers and spraying compounds has become a recognized necessity in raising fruits and vegetables. The sprayer is as much of a necessity as is the fertilizer or any other part of the process of cultivation. Following and others can be supplied. If you do not see here what you want, write for information. Prices do not include transportation.

The Auto Spray Pump

will do better work and do it easier than any similar article. The improved machine has the "Auto Pop" attachment, which **doubles the efficiency** by saving half the solution and labor. **A few strokes of the plunger compresses air enough to cover a quarter acre of potatoes or similar crop.**



Distributes Paris Green, Hellebore, Sulphur, or any DRY POWDER insecticide.

Price, $8.00 complete.

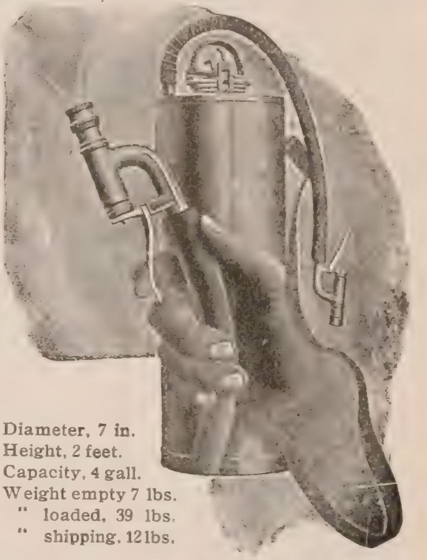
The Auto-Spray

Can be used for spraying all garden, farm and greenhouse crops, disinfecting stables, hen houses, etc., and for low trees if extension pipes are ordered. Any fluid concoction can be applied with it, even to whitewash. The improved machine has the "Auto Pop" attachment, which doubles the efficiency by saving half the solution and labor. A few strokes of the plunger compresses air enough to cover a quarter acre of potatoes or similar crop.

Leggett's Champion

Dry Powder Gun

Is 27 inches long with extra tubes for dusting trees, and holds one quart of powder. By turning the crank a fan is rapidly revolved, which forces a current of air through the tubes, that carries with it a small portion of powder.



Diameter, 7 in.
Height, 2 feet.
Capacity, 4 gall.
Weight empty 7 lbs.
" loaded, 39 lbs.
" shipping, 12 lbs.

Auto Spray No. 1. Our Net Prices:—

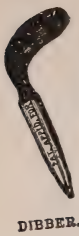
Brass Strainer	.90
Brass Tank with stopcock	$6.75
Brass Tank with "Auto-Pop"	7.65
Galvanized Tank with stopcock	4.50
Galvanized Tank with "Auto-Pop"	5.40
Extension pipe, 2 ft. length	.90

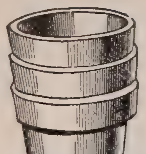
Gould's "Pomona" Sprayer is very powerful, capable of supplying four leads of hose and eight nozzles. All working parts Bronze. Hundreds of them in use. Pump and Agitator, $15.00. **Gould's "Premier" Bucket-Sprayer.** All brass, hard rubber ball valves. Steady powerful stream—solid stream or spray at will. Price complete, $6.00

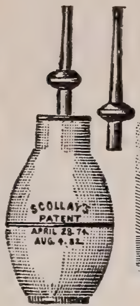
PLANT PESTS, PREVENTIVES AND REMEDIES.

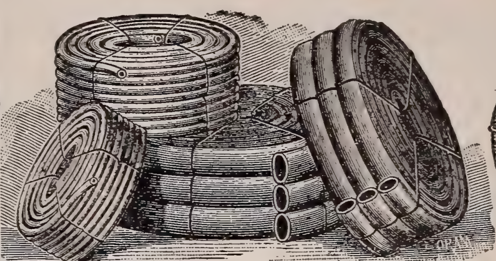
PLANT.	ENEMY	PREVENTIVE MEASURES	REMEDIES
Bean	Weavil	Treat seed with carbon bi-sulphide, 1 oz. to 100 lbs. seed, for two hours in closed vessel	
	Pod Rust	Avoid relation with melons, cucumbers or squash. Do not work when wet.	Spray with Bordeaux Mix. or dust with same.
Beet	Leaf Spot	Rotation. Burn all infected rubbish	Bordeaux.
Cabbage and Cauliflower	Club Foot	Rotation. Burn infected plants	Lime. Pyrethrum (or buhach) powder.
	"Worm"	Kill the butterflies. Burn rubbish in fall.	
Carnation	Red "Spider"	Keep air moist. Spray with soap and water	
	Rust	Clean stock. New soil	Spray often with Bordeaux.
Corn	Smut	Use seed from clean fields. Burn infested ears	
Cucumber Melons Squash	Mildew	Spray with ammoniacal copper solution	
	Rust (see Beans)	Stimulate to *rapid* growth by manure in the hill. Extra seed. Dust leaves and about stem (as soon as up) *freely* with tobacco dust.	
	Striped Beetle		
	Borer	Trap moths by a lantern hung over a tub of water, having a little kerosene in it. Cover several joints of vine with earth.	
Currant and Gooseberry	Worm, Mildew. (See Cucumber)	As soon as seen, spray with Paris green or London purple. Later with hellebore (dust or in water).	
Grape	Mold, Rot and Insects	Copper sulphate solution, later Bordeaux, later ammoniacal copper solution. Burn infected waste. Tie bunches in bags.	
Potato	Scab	Rotate. Treat uncut seed with corrosive sublimate solution, 1 oz. in 1 gal. boiling water; dilute to 16 gallons and soak 30 minutes. Spread to dry.	
	Leaf Blight	Bordeaux.	
	Beetle		Dust or spray with poisons.
	Mildew	Dust with sulphur flour	Spray with copper solutions.
Rose	Slug		Soap and water, hellebore.
Turnip and Radish	Maggot	Rotate. Wood ashes	
	Flea Beetle	Ashes, plaster or tobacco dust	Poison when plants are young.
Many Plants	Aphis; "green fly" or "louse"	Regular and frequent "smoking" or spraying with tobacco compounds	Spray or dip in soap suds, tobacco solution or kerosene emulsion and rinse after.
"	Cut Worm	Trap moths. Clean culture year before. Paper about stem	Balls of poisoned clover scattered about.
	Wire Worm	Fall plow. Summer fallow. Trap beetles (see squash)	Brush into pans of kerosene.
	Blister Beetles		When *young* wash and spray with soap and oil emulsions.
	Scale Insects	Buy *clean* stock.	
	Squash Bug	Hand pick or trap under pieces of branch. Burn litter in fall	Kerosene or tobacco emulsion.
	White Grub	Trap beetles. Fall plowing to expose	

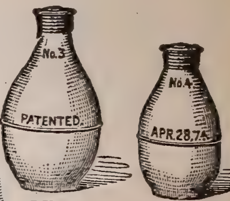
Descriptive circulars of **Sprayers, Powder Guns and Dry Insecticides** sent on application.


DIBBER.

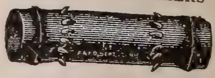



SCOLLAY'S
PATENT
APRIL 28.74.
AUG. 4.82.
PUTTY BULB.


Garden and Greenhouse Hose.

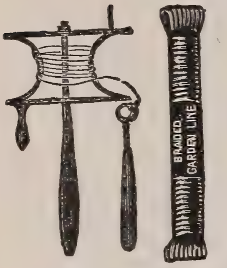


RUBBER SPRINKLERS

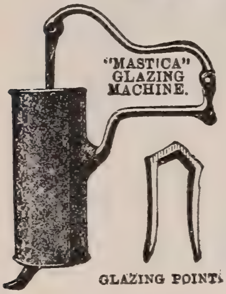

COOPER HOSE MENDER

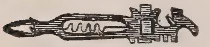
GARDEN TOOLS AND SUNDRIES.

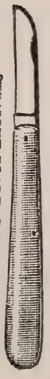
Prices Given Do Not Include Prepaying of Charges Except Where Noted

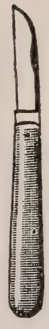


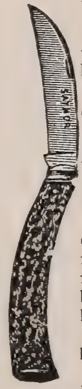
GARDEN LINE AND REEL.

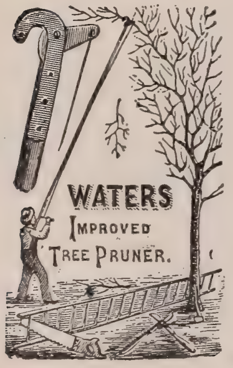

"MASTICA" GLAZING MACHINE.
GLAZING POINTS


Glass Cutter


STRAIGHT BLADE, LONG HANDLE.


STRAIGHT BLADE, SHORT HANDLE.





BELLOWS. For applying powdered sulphur.
20-inch long, holds 4 oz. powder........$1.00
24-inch long, holds 8 oz. powder........ 1.25
Jumbo Powder Gun. Each........... .25

DIBBER. For setting plants, iron...... .25
" wooden handle, steel point.... .30

FLOWER POTS. Must go by freight

	Doz.	100
2-inch	$0.15	$0.75
3-inch	.20	1.00
4-inch	.35	1.50
5-inch	.45	2.50

Pots of larger sizes, also saucers, can be supplied. Tell us your needs.

GARDEN LINE, braided, 100 feet....... .65

GARDEN LINE REEL. Each.......... .50

GRAFTING WAX, in bars, ¼ lb., 10c; ½lb., 20c; 1 lb., 30c. (Add 16c per pound for postage).

GRASS HOOKS OR SICKLES

English, riveted back, the best. No. 0, 50c; No. 1, 55c; No. 2, 60c each.

American, plain back. Each, 15c.

HOES, Welded Dutch Scuffle. 5-inch, 55c; 8-inch, 65c; 10-inch, 75c.

German. Light and strong. No. 1½, each 30c; No. 2, each 35c.

American. 8-inch. Each, 50c.

RUBBER HOSE, ETC.

We carry a special brand of guaranteed quality ¾-inch, 3-ply hose, in lengths of 50 feet. *No less quantity supplied.* Price, per 50 feet, with necessary couplings, $7.50.

HOSE COUPLERS. Each, 25c; dozen, $2.75.

HOSE MENDER, Cooper's Brass, makes the hose as good as new. Each, 10c; doz., 75c.

HOSE NOZZLE, Gem. Will throw from full stream to fine spray. Each, 35c.

Boston. Brass, for ¾-in. hose; useful to sprinkle in greenhouses or garden. State if fine or coarse spray is desired. Each, 40c.

INSECT DESTROYERS. See page 88.

KNIVES

We sell the best quality of steel-blade knives manufactured by Saynor & Cook in England.

Asparagus, saw-tooth blade. Each, $1.50.

Budding or Propagating. No. 343, double blade, $1.25; No. 401, $1.15; No. 403, long handle, $1.25.

Pruning, rough, bone handle, single blade, 75c.

LABELS, Wooden. Painted, 4-inch, per 100, 15c; per 1,000, 75c; 6-inch, per 100, 25c; per 1,000, $1.50. **Tree Labels,** notched and brass wired, per 100, 20c; per 1,000, $1.00. Not prepaid.

MOLE TRAP Olmsted's. Safe to handle; sure in action if properly placed. $1.50.

LAWN ROLLERS

Dunham's Roller Bearing

They are made in all sizes and styles from 150 to 12,000 pounds, for hand, power, or horse-power and are guaranteed to run 44 per cent easier than all others. The face of the Dunham roller is turned perfectly smooth and silver finished and the outer edges are rounded to avoid cutting up the turf.

No.	Diam.	Length	Sec.	Weight	Price
402	15 in.	24 in.	3	200 lbs.	$12.50
404	20 in.	20 in.	2	250 lbs.	15.50
407	20 in.	24 in.	2	300 lbs.	18.50
409	24 in.	20 in.	2	400 lbs.	24.50
413	28 in.	24 in.	2	500 lbs.	30.50

PLANT BED CLOTH

Valuable for forwarding and protecting early plants from frosts, covering hotbeds and frames in spring, in lieu of glass (after excessive freezing weather is over), and for throwing over bedding plants at night in fall, at one-tenth the cost of glass.

Heavy Grade. Yard 12c. By piece: Yd., 11c.	Light Grade. Yard 6c. By piece: yd., 4½c.
Medium Grade. Yard 8c. By piece: yd., 7½c.	**Pieces contain from 40 to 60 yards.**

RAFFIA. The best tying material for plants. It is now made use of in schools and elsewhere for the making of baskets and other articles. It is as soft as silk and will keep indefinitely.

Natural. ¼lb., 10c; lb., 25c. Not prepaid.

Dyed, in red, pink, blue, yellow, orange, green and black. ¼lb., 15c; lb., 50c; (*Add 1c per oz. or 16c per lb. for postage.*)

RAKES, Garden. Each, 35c.

Gibb's Lawn. This has thirty copper steel wire teeth. The head has a guard to prevent grass from falling over back. Each, 50c.

SAWS, Pruning, Double Edged. 65c.

SCYTHES, English Lawn. Best for a lawn; easily kept sharp. 32, 34, and 36 in. each, $1.25. Name size wanted.

German Lawn. Guaranteed to hold an edge. Extra wide blade. 32, 34, and 36 in. Each, $1.00. State length of blade to send.

SCYTHE SNATH, or Handle. Each, $1.00.

SCYTHE STONE. Round Talacre. Each, 10c.

SHEARS OR SCISSORS

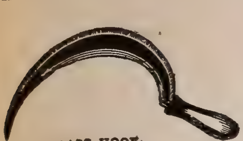
Border. With wheel, $2.25; without, wheel, $2.

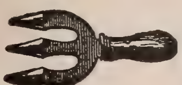
Grass. Similar to sheep shears; imported, $1.

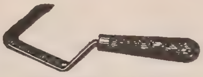
Hedge. 8-inch, $1.40; 9-inch, $1.60.

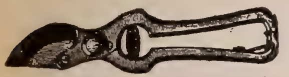
SPRINKLER, Rubber

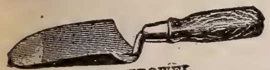
Indispensable for washing the foliage and sprinkling plants kept in the window in winter. Large, 75c; by mail, 85c.

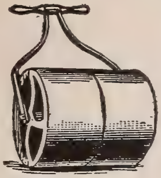

GRASS HOOK.

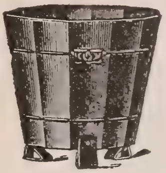

WEEDING FORK.

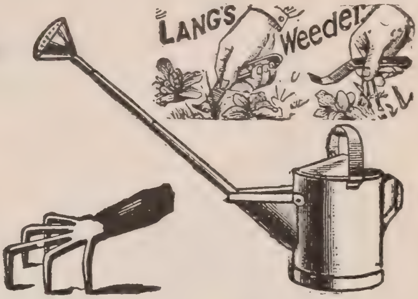

HAZELTINE'S WEEDER.


"SOLID STEEL" PRUNING SHEARS.


STEEL TROWEL.


LAWN ROLLER.


COLUMBIAN TUB.



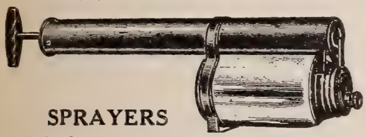
EXCELSIOR WEEDER. WATERING POT.

GARDEN TOOLS AND SUNDRIES.—Continued.

Prices Given Do Not Include Prepaying of Charges Except Where Noted

SEED SOWER, Cahoon's Broadcast

A machine which can be handled with ease by an inexperienced person. It will sow all kinds of seeds much more evenly than can be done by hand. Will sow either light or heavy seeds. Price, $3.00.



SPRAYERS

By their frequent use every insect obnoxious to yourself, your animals, or your crops can be exterminated.

Little Wonder. A small but effective tin sprayer. Each, 35c.

No. 1. **Lightning Sprayer.** Single tube; light and handy. Has detachable reservoir. Holds about one quart. Each, 50c.

No. 20. **Encased Glass Double Tube Sprayer.** Being made of glass, handsomely encased and well painted, it is unexcelled for durability. Capacity, one quart. Operator can see how much reservoir contains. Each, 65c.

No. 26. **All=Brass Spray Pump.** This will throw a stream fifty feet. Valuable for washing windows and buggies, sprinkling lawns and flowers, etc. Being made entirely of brass, it is not affected by the poisonous ingredients used in the insect-destroying solutions. Each, $3.50.

No. 27. **Spray and Force Pump.** Every family needs one of these. The pump has 4 distinct nozzles. With No. 1 it is a fire-extinguisher. With No. 2 attached, it is adapted to washing windows, buggies, etc. No. 3 makes it a sprinkler, while No. 4 enables the operator to apply liquid solutions of all kinds. Each, 75c.

No. 28. **Whitewash Sprayer and Force Pump.** It will apply whitewash without clogging, and do better work than can be done with a brush. Made of galvanized iron with brass tops and bottoms. Will throw a stream 35 feet high, or it can be manipulated to give two different sizes of spray. Each, $2.50.

The Auto-Spray

Best machine of its class for florist's use. The spray can be made as fine as mist, and directed to the underside of foliage as well as other places. Easy to operate. One pumping will spray a large area. Light (empty, 7 lbs.; loaded, 39 lbs.). Carried by a shoulder strap. The "Auto-Pop" attachment saves much labor and solution. **Brass Tank** with stopcock, $6.75. Same with Auto-Pop, $7.65. **Galvanized Iron Tank,** with stop-cock, $4.50. Same with Auto-Pop, $5.40. Brass Extension, 2 ft., 45c. Brass Strainer, 90c.

DRY POWDER DISTRIBUTOR

Leggett's Powder Gem. Distributes Paris Green, Hellebore, etc. Each, $7.50.

TREE PRUNER, Water's

This is an excellent tool. It will cut limbs ¾ inch in diameter. With 4-ft. handle, 50c; 6-ft., 70c; 8-ft., 90c; 10-ft., $1.00; 12-ft., each $1.40. Extra blades for same, each 20c.

THERMOMETERS

These we do not send out by mail.

Hot=Bed or Mushroom. Wooden frame; pointed brass bottom for plunging. $1.50.

Tin Case, serviceable, 8 in. Each, 15c.

Long Distance. This instrument has very large figures and red mercury, making it easy to determine the temperature without close approach. Each, 15c.

Self=Registering. Indicates highest and lowest temperature. 8-in. porcelain face, including magnet. Each. $2.75. Same instrument, wood face, each, $2.50.

MISSION PLANT BOXES

Are the best and cheapest plant boxes in the market for large plants, boxwoods, bay trees, etc. They are attractive in design, strong and durable. Suitable for outdoor or indoor use.

Size	White Pine	Cypress
10 x 10	$1.00	$1.50
12 x 12	1.25	1.75
14 x 14	1.75	2.75
18 x 18	2.25	3.50
22 x 22	3.00	4.50
26 x 26	4.50	6.00

COLUMBIA PLANT TUBS

Suitable for Bay Trees, Azaleas, etc.

Made of tapered staves fastened with two steel wires; 12 in. diameter, each, $1.00; 15 in., $1.50; 18 in., $2.00; 21 in., $2.50; 24 in., $3.00.

GARDEN TROWELS

Forged Steel, No. 211. Blade and shank are one piece. 6-in., each, 35c; 7-in., 40c; 8-in., 45c.

Berry Trowel, 211a. 4½-inch; narrow blade. Each, 35c.

Solid Steel, No. 212. A good strong tool, well made and serviceable. 6-in., each, 25c.

English Pattern, No. 215. 6-in., each, 15c.

Neverbreak. Handle and blade in one. 10c.

Ladies' Flower Trowel. Each, 10c.

Transplanting. Good to set cabbage and strawberry plants. 6-in., 15c; 7-in., 20c.

Imported English. Best trowel made. 6-in., each, $1.00; 7-in., $1.15.

WATERING POTS

Made of galvanized iron; long spouts

American, 8 quart capacity, each......$1.90

American, 10 quart capacity, each...... 2.10

American, 12 quart capacity, each...... 2.30

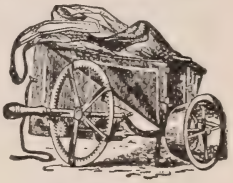
WEEDERS

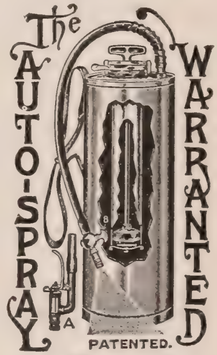
Excelsior. Each, 15c; by mail, 20c.

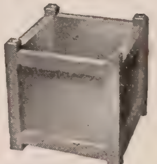
Hazeltine. Steel; double edged; can be ground very sharp. Each, 20c; by mail, 25c.

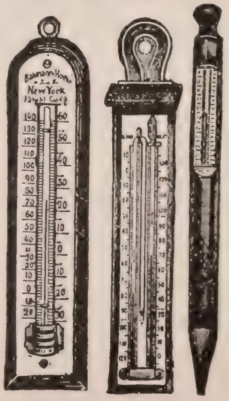
Lang's. Handy. Each, 20c; by mail, 25c.

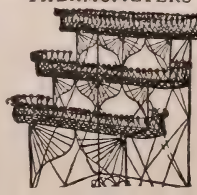
WIRE PLANT STANDS. In various sizes and designs. If interested, write for circular.


CAHOON SEED SOWER.



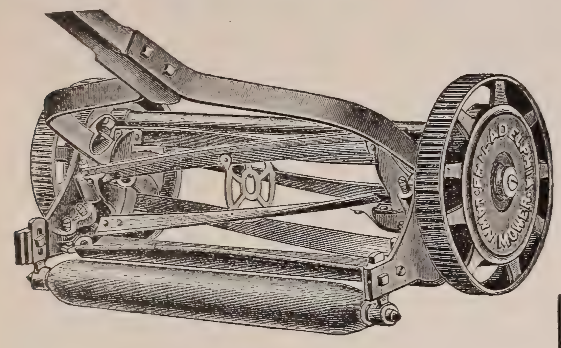

MISSION PLANT BOX


THERMOMETERS



The Genuine Philadelphia LAWN MOWERS.

Full descriptive circulars mailed on application.....



STYLE K

MUCH good money is annually wasted in buying cheap and worthless Lawn Mowers. This can be avoided by purchasing a well-made machine, and if costing a little more at the beginning, it will save many times the difference in cost in a short time, and give endless pleasure. The **Philadelphia Lawn Mowers** have long ago established their reputation as the **best.** They are constructed on the most thorough mechanical principles, and on account of their simplicity and superior construction are more durable and less liable to get out of order, and will do better work than any other lawn mower made.

LAWN MOWERS SHARPENED AND REPAIRED by skilled workmen. First-class work guaranteed. Please send in your machine early . . . . . . EXTRA PARTS KEPT IN STOCK.

HAND MOWING MACHINES.

STYLE A. Width of cut, 15, 17, 19 and 21 inches. Four blades (all steel.) Height of driving wheel, 10 inches. Will cut high grass. The simplest of its kind.

STYLE E. Width of cut, 15, 17, 19 and 21 inches. Has high ten-inch driving wheel, four blades, cylinder 6½ inches. Unlike all other Mowers, the driving wheel and cylinder can be removed, leaving a solid frame.

STYLE K. Width of cut, 14, 16, 18 and 20 inches. This Mower is made on correct principles with a single Pinion and Five blades. It does the finest kind of work and is the lightest running Mower made. For a first-class Mower it has no equal.

STYLE T. Width of cut, 14, 16, 18 and 20 inches. Four blades, open wiper, with wrought iron riveted cylinder. The blades are BOLTED TO CYLINDER. They can be replaced at small cost; In repairing, saves the expense of a complete cylinder. It combines all the improvements of the Philadelphia, running light and doing fine work.

STYLE M. Width of cut, 10, 12, 14, 16, 18 and 20 inches. This mower is for general purposes, very popular, and adapted for rough, uneven grounds, as well as the finest smooth lawns. This machine does excellent work, is *easy* to run and *durable*.

STYLE C. Width of cut, 14, 16, 18 and 20 inches. This style has been manufactured to fill the demand for a *medium* high lawn mower *that has merit.* It has all improvements with a four-blade open cylinder and 8½ inch drive wheel. It runs lightly, does fine work and is a valuable addition to the list.

NET PRICES FOR 1911

Style A.	
15 in	$10.25
17 in	11.50
19 in	12.75
21 in	14.00

Style E, High Wheel	
15 in	$ 7.70
17 in	8.65
19 in	9.55
21 in	10.50

Style Golf.	
15 in	$10.25
17 in	11 50
19 in	12.75
21 in	14.10

Style K.	
14 in	$ 6.15
16 in	6 80
18 in	7 40
20 in	8 00

Styles T, M and C.	
10 in	$ 4 00
12 in	4 60
14 in	5 25
16 in	6.15
18 in	6.50
20 in	6.75

Price on HORSE MOWERS made on application.

THE ALL-DAY MOWER

Width of cut, 14, 16 and 18 inches. Has 10-inch wheel, four-blade cylinder. 14 in., $1 35; 16 in. $1.85; 18 in., $5.35.

GENUINE PHILADELPHIA HORSE MOWING MACHINES. These machines are intended for parks and large open grounds, and are constructed in a most thorough manner. They are designed to be what they have already proved themselves to be—THE BEST HORSE LAWN MOWER FOR PARKS OR LARGE LAWNS EVER MADE. They will be found on government grounds, public grounds and fine parks in all parts of the country. Made in two patterns, open or closed cylinder.

PONY. Width of cut, 25 inches. Light in weight and draft. Strong and durable. Will do efficient work on a lawn where there is much shrubbery and trees.

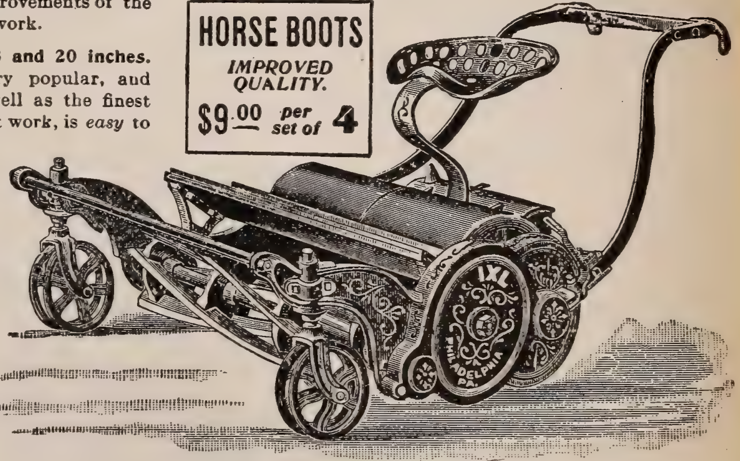
HORSE. Width of cut, 30 inches. Suitable for a light horse. Weight, 313 lbs.

HORSE—I. X. L. PATTERN. Width of cut, 30, 35 and 40 inches. This machine is intended for parks and very large lawns. It is constructed in the most thorough and substantial manner and never fails to give satisfaction.

HORSE BOOTS

IMPROVED QUALITY.

$9.00 per set of 4



HORSE MOWER.

Genuine Philadelphia Golf Mower.

For the proper care of Golf Links it has been found necessary to build a machine having rapidly revolving blades, to insure a very close clip.

A Brief Description.

Eight blades; height of drawing wheel, 10 inches; diameter of cylinder 7¼ inches; train of three gears on one side of mower; either drawing wheel will work the mower. Various sizes. Send for special circular and prices.

Incubators
Brooders

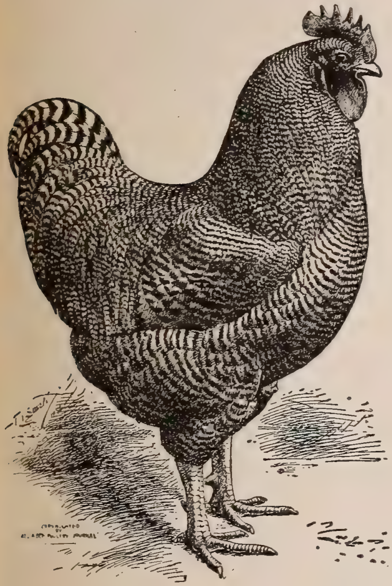
POULTRY SUPPLIES

Feeds
Appliances

Our Poultry Supply Department is fully stocked with the best of everything in this line. **Headquarters of this department are at our store, 117 Fifth Avenue. Orders can also be left and filled at our general place of business, 108-110 West Kinzie Street, CHICAGO.**

On following pages we list the most popular and useful articles in **Poultry and Pigeon Supplies,** as well as the necessities, such as **Feeds, Grain, etc.** For anything you need in this line not herein named, kindly write us. Correspondence promptly answered by our specialist.

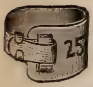
The outlook for the poultry business is unusually bright this year. Many of our customers obtained as high as 40c per dozen for table eggs last summer and 60c in winter.



POULTRY, EGGS, AND CHICKS

We are in a position to furnish thoroughbred breeding stock, eggs for hatching, and live chicks. The prices quoted are for pure-blood average breeding stock. Exhibition quality or extra fine specimens, a matter of correspondence. After April 1st, all eggs for Hatching are guaranteed 75% fertile. **The prices quoted on Chicks are for delivery after April 1st and balance of season.**

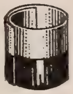
			EGGS		CHICKS	
VARIETY	Males	Females	15	100	50	100
Barred Plymouth Rocks	$3.50 up	$2.50 up	$2.00	$ 8.00	$ 8.00	$15.00
Buff Plymouth Rocks	3.50 up	2.50 up	2.00	8.00	8.00	15.00
White Plymouth Rocks	3.50 up	2.50 up	2.00	8.00	8.00	15.00
White Wyandottes	3.50 up	2.50 up	2.00	8.00	8.00	15.00
Buff Orpingtons, S. C.	4.00 up	3.00 up	3.00	12.00	12.00	20.00
White Orpingtons	4.00 up	3.00 up	5.00	15.00	15.00	25.00
R. I. Reds	4.00 up	3.00 up	2.50	10.00	10.00	18.00
Brown Leghorns, S. C.	3.50 up	2.50 up	2.00	8.00	8.00	15.00
Brown Leghorns, R. C.	3.50 up	2.50 up	2.00	8.00	8.00	15.00
White Leghorns, S. C.	3.50 up	2.50 up	2.00	8.00	8.00	15.00
White Leghorns, R. C.	3.50 up	2.50 up	2.00	8.00	8.00	15.00
Buff Leghorns, S. C.	4.00 up	3.00 up	2.50	10.00	10.00	18.00
Black Minorcas, S. C.	4.00 up	3.00 up	3.00	12.00	12.00	20.00
Black Minorcas, R. C.	4.00 up	3.00 up	3.00	12.00	12.00	20.00
DUCKS			11 Eggs	100 Eggs		
Imperial Pekin Ducks	3.00 up	2.50 up	3.00	10.00		
GEESE			6 Eggs	12 Eggs		
Toulouse Geese	5.00 up	4.00 up	2.50	4.50		
Turkeys, Pheasants, Bantams	Prices on application.					



CHAMPION BAND

LEG BANDS

To Identify Your Poultry



PIGEON BAND

	12	25	50	100
Improved Champion	$0.15	$0.25	$0.45	$0.65
"Leader" (adjustable)	.15	.25	.45	.65
Smith Sealed	.30	.50	.85	1.50
"Security" (Sealed)	.15	.30	.55	1.00

Smith Sealed No. 1, for Bantams and small Mediterranean female; No. 2, ordinary Mediterranean and Pit Game females; No. 3, Mediterranean males, American females, Pit Game males; No. 4, American males, medium Asiatic females and turkey hens; No. 5, ordinary large Asiatic and Tom turkeys; No. 6, extra large Asiatics and very large Tom turkeys. Above prices are for plain numbered bands. An extra charge of 10c per 100 or 5c for 50 bands or less for stamping not to exceed three initials.

Smith Sealers (plain)	$0.50
Spring Lever Poultry Punch	.25
Petty's Poultry Punch	.25
Davis' Poultry Punch	.25

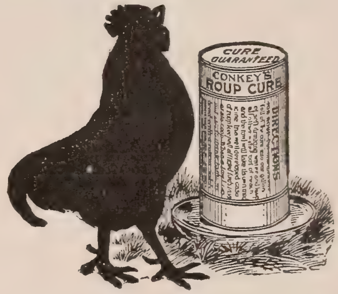
Pigeon Leg Bands

	12	25	50	100
Open Pigeon (Aluminum)	$0.15	$0.25	$0.40	$0.65
Seamless Pigeon (Aluminum)	.25	.50	1.00	1.50
Snap-on Colored Pigeon Bands (Celluloid)	.20	.35	.65	1.00

Colored bands identify birds at a distance, enabling one to pick out birds desired without catching a large number of birds before the right one is secured.

Caponizing Sets, Etc.

Pilling	Philadelphia Caponizing Set	$2.00
"	Farmers' Caponizing Set	3.00
"	French Killing Knife	.50
"	Angular Poultry Knife	.50
"	Gape Worm Extractor	.25

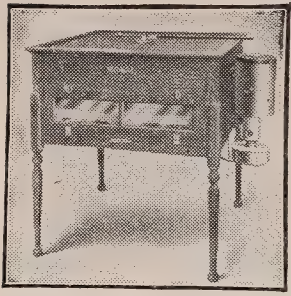


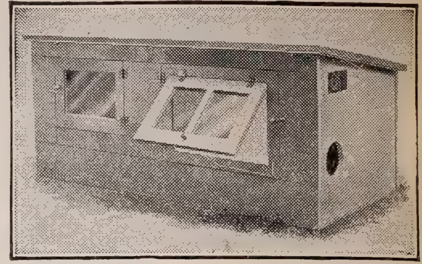
Conkey's Poultry Remedies are each compounded specifically for the disease named, and for this reason may be expected to produce better results than remedies that are made up as cure-alls. Conkey's Remedies are guaranteed to please you by their results, or you may have your money back.

CONKEY'S POULTRY REMEDIES

Roup Cure	25c, 50c, $1.00
Bronchitis Remedy	.50
Cholera Remedy	25c, .50
Gape Remedy	.50
Chicken Pox Remedy	.50
Limber Neck Remedy	.50
Scaly Leg Remedy	.50
Rheumatic Remedy	.50
Healing Salve	25c, .50
Poultry Laxative	.25
Poultry Tonic	.25
Sulphur Candles	.10
Sulphur Candles (3)	.25
Sulphur Candles (12)	1.00
Head Lice Ointment	10c, .25
Lice Powder	10c, 25c, 50c, 1.00
Lice Liquid	35c, 60c, 1.00
Laying tonic	25c, 50c, 1.00
Nox-i-Cide	35c, 60c, 90c, 1.00
Fly Knocker	35c, 60c, 1.00
Flea Salve	.25
Mange Remedy (Dogs)	.50
Distemper Remedy (Dogs)	.50

Essex Model Incubators and Brooders





The famous "Standard Model" Incubators are acknowledged by most successful poultrymen to be America's leaders in Artificial Incubation. They are made of high-grade chestnut; double walls and top, perfectly insulated. Heat is regulated by the Essex-Corrugated Thermostat — the most rigid, sensitive and quick-acting thermostat made, thus insuring absolute automatic control. In finish and appearance they are distinctly artistic at the same time possess strength, durability and hatchability.

The "Middle-price Model Incubator" is made of wood, covered with heavy enameled rolled steel, finely finished, double walled, thoroughly insulated, heated and regulated same as the "Standard" model.

We are pleased to call especial attention to this line of brooders as being particularly strong. The "Portable Hover" may be adapted to most any box thus being suitable for those who prefer to build their own brooders, at the same time it may be used alone, and thus it is suitable for use in Brooder houses as a great many prefer individual brooders to the pipe system. The "Colony" brooders comprise the portable hover placed in suitable houses and thus combine Brooder and Colony house in one. Special Incubator and Brooder Catalogue on application.

Standard			Middle-Price		
No. 0	100 Eggs,	$17.00	No. A	60 Eggs	$ 9.00
No. 1	175 "	23.00	No. B	120 "	12.00
No. 2	275 "	32.00	No. C	200 "	19.00
No. 3	410 "	37.00	No. D	300 "	29.00
No. 4	324 Duck	43.00			

BROODERS

Portable hover	$ 7.50	Colony "B"	14.00
Combination	13.00	Colony "C"	17.00
Colony "A"	$11.50		

Model brood coop, 2 x 4½ feet	$3.75
Model colony coop, 3 x 6 feet	9.00

THERMOMETERS, ETC.

We handle instruments that are tested and accurate. Cheap thermometers are unreliable.

Incubator Thermometer, postpaid	$0.60
Brooder Thermometer	.50
"Tycos" Hygrometer (Moisture Gauge)	1.50
Model Hygrometer (Moisture Gauge)	1.50

Either of the above instruments determine accurately the amount of moisture in an incubator.

Searchlight Egg Tester	1.75
Standard Egg Tester (by mail, 35c)	.25

INCUBATOR OIL

We recommend the use of the highest grade of oil in incubators, and have made arrangements to supply a high-grade incubator oil as follows:

5 Gallons (25c refund on return of can)	$1.50
10 Gallons (50c refund on return of can)	2.75
Delphos Oil Can, 3-gallon	1.25
Delphos Oil Can, 5-gallon	1.50

LAMPS, BURNERS, ETC.

Incubator Lamp complete for Nos. 0 and 1	$0.75
Incubator Lamp complete for Nos. 2 and 3	.90
Peep o' Day Brooder Lamp, complete	2.00
Lamps (6 x 9), with smokeless burner	1.00
Lamp Burners for Nos. 0 and 1 Incubators	.35
Lamp Burners for Nos. 2 and 3 Incubators	.50
Smokeless Burners, small size	.35
Smokeless Burners, large size	.50
Blue Flame Gas Burner	.85
Lamp Wicks, large size, per dozen	.20
Lamp Wicks, medium size, per dozen	.15
Lamp Wicks, small size, per dozen	.10

THE BUCKEYE INCUBATORS AND BROODERS

The Buckeye Incubators and Brooders are heated by hot water. Although small in size, they are absolutely guaranteed to hatch every hatchable egg, and if it does not meet with entire approval, it may be returned to us and the price paid will be promptly refunded. Made in one size, three styles.

Style A, double walls, with Nursery	$8.00
Style B, double walls without Nursery	7.00
Style C, single walls without Nursery	6.00

Brooders

No. 1 Indoor, with regulator, 50 chicks	$6.00
No. 2 Outdoor, with regulator, 50 chicks	8.00
No. 3 Indoor, lampless, 50 chicks	5.00
No. 4 Outdoor, lampless, 50 chicks	7.00

Colony Coops, F. O. B. Springfield, Ohio.

Wood Front, 3 x 6 feet	10.00
Wire Front, 3 x 6 feet	9.00

Portable Poultry Houses, F. O. B. Springfield, Ohio

Sectional, 6 x 8 feet	$25.00
Curtain Front, 6 x 8 feet	25.00

MASTIN AUTOMATIC SPRAYING MACHINE

THE MASTIN AUTOMATIC SPRAYING MACHINE

Is designed for spraying liquids of varying density, as insecticides, disinfectants, whitewash, cold water, paints, etc., and we recommend it to Fruit Growers, Nurserymen, Truck Farmers, Poultrymen, and for general use where spraying is done.

Three-Gallon Size

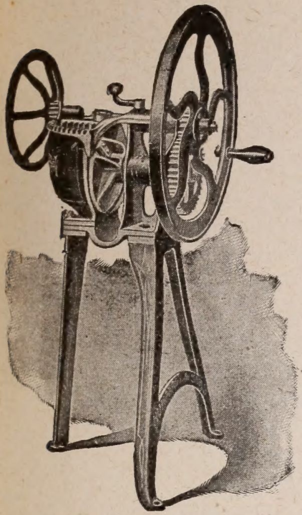
Price complete, in Brass	$9.50 net
Price complete, in Steel Jacket	6.50 net

Ten-Gallon Size

Price complete, in Brass	$15.75 net
Price complete, in Steel Jacket	10.00 net

HAND SPRAYERS

Little Wonder Sprayer	$0.35
Lightning Sprayer (holds 1 quart)	.50
Encased Glass Double Tube Sprayer	.65
All-Brass Spray Pump	3.50
Spray and Force Pump (tin)	.75
Whitewash Sprayer and Force Pump. Will apply whitewash without clogging. Throws a stream 35 feet high	2.50



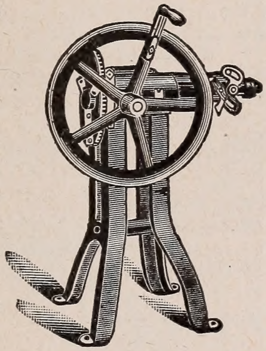
The Humphrey Green Bone and Vegetable Cutter is of Open Hopper Hand feed type, making it possible to Cut Vegetables and Roots as well as Green Bone.

The Humphrey Clover Cutter is very easy to turn, and is a rapid cutter, the cutting knife having five edges, and being geared 8 to 1, gives 40 cuts to each revolution of the fly-wheel, which reduces Clover or Alfalfa to ⅛-in. lengths. It is heavy and very substantially built, and will give long and useful service.

Humphrey No. 1 Hand Power	$12.00
Humphrey No. 2 Semi-Power	13.50
Humphrey No. 2½ Hand and Power	15.00
Humphrey No. 6 Power	22.00
Humphrey No. 3 Direct Power	35.00
Humphrey No. 4 General Power	45.00
Humphrey Clover Cutter (for bench)	8.00
Humphrey Clover Cutter (on legs)	10.00
Humphrey Corn Shellers	1.75
Humphrey Grist Mill	3.50

STANDARD BONE CUTTERS

The Standard Green Bone Cutters are all constructed upon the Principle of Positive Automatic feed, and automatic stop. The Horizontal cylinders bring the bone to the knives endwise, cuts across the grain and so produces a very fine cutting. Knives in cutter plate always in sight and easily cleaned.



No. 8

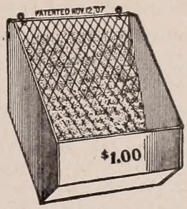
No. 9.	Bench Cutter with balance wheel	$ 8.80
No. 8.	Cutter with legs and balance wheel	10.50
No. 7.	Bench Cutter with balance wheel	12.00
No. 6.	Cutter with balance wheel	13.00
No. 3.	Cutter with balance wheel for hand use or pulley for power	17.75
No. 4.	Cutter with double balance wheel	19.90
No. 2.	Cutter for power	27.50
No. 1.	Cutter with pulley for power and two balance wheels for hand use	29.50

MANN'S BONE CUTTERS

Mann's Bone Cutters are one of the most popular makes, and are entirely satisfactory to many of our customers. We are pleased to list the following in this make:

Mann's No. 5-B Hand Power (for bench)	$ 8.00
Mann's No. 5 B. M. Hand Power on legs	10.40
Mann's No. 7 Hand Power on legs	12.00
Mann's No. 7½ Hand and Power	16.00
Mann's No. 9 Hand and Power	18.00
Mann's No. 11 Power Machine	26.00
Mann's No. 12 Power Machine	30.00

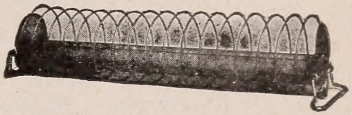
FEED HOPPERS AND PANS



The Boston Hoppers are absolutely automatic and positive in their action. They can not clog; they do not waste. They are made of galvanized iron with swinging grid (mesh), and hold from ½ peck to ½ bushel respectively, and will last a life time. Feed is always accessible and in sight.

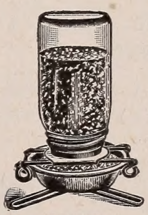
Saves Labor. Saves Food. Saves Money.

Chick Hopper, small size, for use in small brooders	$1.00
Chick Hopper, large size, for use in brooder houses	1.90
Small Hopper (holds 8 quarts), for beef scraps, shells, grit or charcoal	.90
Large Hopper (holds 16 quarts), for dry feed for hens	1.00



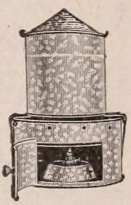
	Each	Six	Doz.
American Feeders, No. 1—18 in.	$0.50	$2.75	$5.10
American Feeders, No. 2—24 in.	.75	4.00	7.65
American Feeders, No. 3—36 in.	1.00	5.40	10.20
Grit and Shell Box	.50	3.00	5.50
½-peck "National" Galvanized	.75	4.25	8.00

DRINKING FOUNTAINS



AMERICAN BROODER FOUNTAIN

The American Fountain we believe is the most practical fountain on the market. It is sanitary, it is automatic, and can be heated when used in cold climates or houses, thus making it a fountain that can be used the year round.



AMERICAN FOUNTAIN

	Fountain Only	With Heater
3-quart "American" Fountain	$0.75	$1.50
6-quart "American" Fountain	1.00	2.00
12-quart "American" Fountain	1.25	2.50
	Each	Six
American Brooder Fountain	$0.35	$1.90
1-quart galvanized iron Fountain	.20	.90
2-quart galvanized iron Fountain	.25	1.25
3½-quart galvanized iron Fountain	.35	2.00
7-quart galvanized iron Fountain	.50	2.50
Davis Food or Water Fountain	.25	1.30
1-gallon Wall Fountain	.50	2.75
2-gallon Wall Fountain	.75	4.25

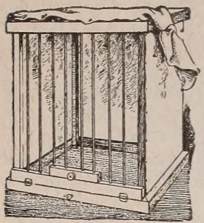
PIGEON SUPPLIES

	Each	Doz.	50	100
Earthen Nappies, 9-inch	$0.15	$1.30	$5.00	$9.00
Indurated Fiber Nappies	.10	1.00	4.00	7.00
Old English Salt Cat	.15	1.25		
Muir's Boss Perch	.10	1.00	4.00	7.00
Jersey Perch	.05	.60	2.50	4.00

	Each
"National" Pigeon Drinking Fountain, capacity 2 gallons, height 12 inches. Price each	$1.25
Muir's Ideal Fountain	1.50

BOOKS We can supply a large list of books on many subjects of the Poultry Business, including all standard works. We also receive subscriptions for leading Poultry and Pigeon Papers, which all progressive poultrymen should peruse.

EXHIBITION COOPS



Our Exhibition Coops are handsome in appearance, strong in construction, being often used to ship the birds to and from the shows as well as to exhibit them in while at the show. A curtain is provided to tack down in front to protect the birds while in transit. It has a narrow door full length at the bottom to facilitate cleaning.

EXHIBITION COOP	Each	Six	Doz.
Trio Size, 24x24x30	$1.90	$10.00	$18.00
Pen Size, 24x42x30	2.25	12.80	24.00
Pen Size, 24x42x30, with partition	2.65	15.00	28.80
Bantam or Pigeon, 3 compartments	2.25	12.80	24.00

EGG BOXES FOR HATCHING EGGS

		Each	Six	Doz.
"National" (Wood)	15-egg size	$0.20	$1.10	$2.00
"National" (Wood)	30-egg size	.25	1.35	2.50
"National" (Wood)	50-egg size	.35	1.85	3.45
"National" (Wood)	100-egg size	.50	2.50	4.60
"Eyrie" (Cardboard)	15-egg size	.15	.75	1.25
"Eyrie" (Cardboard)	30-egg size	.20	1.10	1.90

LIVE CHICK BOXES

Sefton Live Chick Box, 50 chicks	$0.20	$1.00	$1.50
Sefton Live Chick Box, 100 chicks	.30	1.60	2.50

EGG CARRIERS

Farmer's Friend (2 to 12 doz.)	$0.50	$2.55	$4.25
Handy Egg Carrier (3 to 15 doz.)	.75	3.50	6.75

EGG BOXES FOR FRESH EGGS

	Doz.	100	1000
Square Style	$0.15	$0.85	$8.00
Long Style	.15	.85	8.00

Printing of single thousand, $1.00 extra.

NESTS, NEST EGGS, ROOST BRACKETS

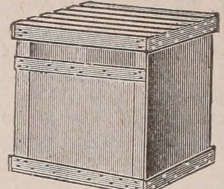
	Each	Six	Doz.
Porcelain Nest Eggs	$0.03	$0.15	$0.25
Medicated Nest Eggs	.05	.25	.50
Wire Nests	.15	.75	1.25
Metal Nests, open front	.85	4.85	9.20
Metal Nests, with door	1.00	5.80	9.75
Metal Nests, with door and trap	1.25	6.00	10.00
	Pair	6 Pair	12 Pair
Anti-Louse Roost Supports	$0.25	$1.20	$2.40
Davis' Anti-Louse Roost Supports			
Single Perch	.75	3.50	6.25
Double Perch	1.25	6.00	11.50

POULTRY NETTING, Put up in bales 150 ft. long.

Our Poultry Netting is the "hexagon" type, galvanized after weaving, which makes it strong and serviceable.

Width	3-in. Mesh No. 18 Wire	2-in. Mesh No. 19 Wire	1-in. Mesh No. 20 Wire
12 inches	$....	$1.00	$2.05
18 inches	....	1.45	3.10
24 inches	1.90	1.85	4.10
30 inches	2.35	2.35	5.10
36 inches	2.80	2.80	6.25
42 inches	3.25	3.25	7.25
48 inches	3.75	3.70	8.25
54 inches	....	4.20	....
60 inches	4.65	4.65	....
72 inches	5.60	5.55	....

SHIPPING COOPS



Our shipping coops are made of wood, are light in weight, at the same time are strong, insuring safety from all ordinary accident. In design they present a good appearance, and provide ample protection to the fowls and their plumage. Made in the following sizes:

No.	Length	Width	Height	Each	Six	Doz.
1	12	18	18	$0.30	$1.75	$3.20
2	18	18	18	.35	2.00	3.75
3	12	21	21	.35	2.00	3.60
4	18	21	21	.40	2.35	4.50
5	24	21	21	.50	2.40	5.40
6	30	21	21	.55	4.15	6.00

POULTRY FEED AND GRAIN

Poultry Food in quantities of 500 lbs. or more is subject to a special price, and we shall be pleased to furnish quotations at any time upon request. We believe we can save you money. Club together and get a larger quantity and take advantage of this saving.

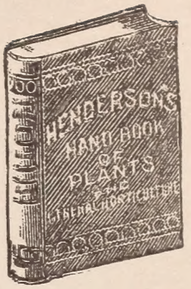
	5 lb.	10 lb.	50 lb.	100 lb.
Sure-Lay Scratching Food, no grit	$0.20	$0.30	$1.20	$2.00
Sure-Lay Scratching Food, grit	.20	.30	1.15	1.95
Chick Feed, fine	.25	.40	1.40	2.40
Chick Feed, coarse	.25	.40	1.40	2.40
Meat Mash	.20	.30	1.15	2.00
Sunflower ... 3 lbs, 20c.		.50	2.35	4.50
Alfalfa Meal	.20	.35	1.00	1.90
Alfalfa Short Cut	.20	.35	1.10	2.00
Beef Scraps	.25	.45	1.75	3.00
Blood Meal	.30	.50	2.00	3.50
Gluten Feed	.20	.35	1.25	2.25
Linseed Meal	.40	.75	1.75	2.50
Dry Bone, fine cracked	.20	.35	1.75	3.00
Dry Bone, medium cracked	.20	.35	1.75	3.00
Dry Bone, coarse cracked	.20	.35	1.75	3.00
Grit, fine	.05	.10	.40	.70
Grit, medium	.05	.10	.40	.70
Grit, coarse	.05	.10	.40	.70
Oyster Shell, fine	.05	.10	.40	.75
Oyster Shell, coarse	.05	.10	.40	.75
Charcoal, fine (A) 2 lb., 10c		.45	1.25	2.25
Charcoal, medium (B) 2 lb., 10c		.45	1.25	2.25
Charcoal, coarse (C) 2 lb., 10c		.45	1.25	2.25
Mixed Pigeon Feed	.25	.40	1.50	2.50
Flint (Yankee) Corn	.25	.40	1.50	2.50
Muir's Health Grit	.20	.35	1.25	2.00
Foust's Health Grit	.20	.35	1.25	2.00

Corn, whole
Corn, cracked
Corn-meal
Wheat
Wheat bran
Wheat middlings
Wheat, hard red (for Pigeons)
Oats
Oats, hulled
Oats, steel cut
Buckwheat
Kaffir Corn
Canada Peas
Canary Seed
Hemp
Millet
Rape (Imported)
Rye

On account of the variations of the market we are unable to quote a price on these commodities, but will gladly furnish latest market quotations on application.

Vegetable Gardening
Samuel B. Green

BOOKS OF REFERENCE



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Send your order and the price to us.

> "There are two most valuable possessions which no search warrant can get at, which no execution can take away, and which no reverses of fortune can destroy: they are what a man puts into his brain—KNOWLEDGE, and into his hands—SKILL."—*Hiram Sibley.*

** Books so marked are in paper covers; all others are in cloth binding.*

Alfalfa (Coburn) Its growth, uses, etc.	$ .50
***Art of Propagation** of Trees, Plants, etc.	.30
Asparagus Culture (Hexamer). Advice on Planting, Cultivation, Harvesting and Marketing	.50
Broom Corn and Brooms	.50
Bulbs and Tuberous Rooted Plants (Allen)	1.50
Cabbage, Cauliflower (Allen)	.50
Corn, The Book of, (Myrick)	1.50
Dahlia Manual, The Beautiful illustrations	.30
Farmer's Cyclopedia of Agriculture. An essential reference book for students and all engaged in farming. 800 large pages; beautiful illustrations	3.50
***Flax Culture** in the United States	.30
Floriculture, Practical (Henderson)	1.50
Forage Crops other than grasses (Shaw)	1.00
Forcing Book. Vegetables under Glass (Bailey)	1.00
Fumigation Methods (Johnson)	1.00
Gardening for Pleasure. (Henderson)	1.50
Gardening for Profit (Henderson)	1.50
Garden Making (Prof. Bailey)	1.50
Ginseng. How to Cultivate and Market (Kains)	.50
Grape Training, American (Prof. Bailey)	.75
Grasses. How to Grow Them (Shaw)	1.00
Grasses and Forage Plants (Flint)	2.00
Greenhouse Construction (Prof. Taft)	1.50
Greenhouse Management (Taft)	1.50
Handbook of Plants. Valuable information on Vegetables, Flowers, etc. (Henderson)	3.00
Hedges, Windbreaks, etc. (Powell)	$ .50
Hemp. Culture for Seed and Fiber	.50
Horticulturist's Rule Book (Prof. Bailey). Valuable for workers in garden, greenhouse, or farm	1.00
Insects and Insecticides (Weed)	1.50
***Market Gardener,** The Young (Greiner)	.50
Mushroom Culture (Robinson). English	.50
Mushrooms, How to Grow Them (Falconer) A standard work on the subject	1.00
Nursery Book, The (Prof. Bailey). A complete guide to the multiplication of plants	1.50
Onions for Profit (Greiner)	.50
Potatoes (Fraser)	.50
Prize Gardening. 350 pp New. Great Value	1.00
Pruning Book. The (Bailey). Explains in detail	1.50
Rhubarb Culture, The New (Morse). A guide to dark forcing and field culture	.50
Rose, On the (Parsons)	1.00
Sugar Industry, The American	1.50
Spraying of Plants, The (Lodeman). *Why, when and how* to apply liquids and powders to destroy insects and fungi	1.00
Strawberry Culturist. Illustrated. (Fuller)	.25
Systematic Pomology (Waugh)	1.00
Vegetable Gardening (Green). For amateurs and market men (In paper covers, 65c)	1.00

☞ *Any other book can be supplied at publisher's retail price on short notice.*

. . General Index to Contents of This Catalogue . .

Arranged under following heads and page numbers for convenience of reference and ordering.

	PAGE
Suggestions to Purchasers; Remarks about ordering, etc.	1
Novelty Pages; Vegetable and flower seeds; Bulbs	1-4
Seeds for the Farm, Grain, Grasses, Clover, Millet, Field Corn, Etc.	33-42
Department of Poultry Supplies	93, 94, 95, 96

DETAIL OF VEGETABLE AND FARM SEEDS

VEGETABLES

	PAGE
Asparagus	5
Beans, Dwarf	6, 7
Beans, Pole	7
Beets, for the Table	8
Beets, for Stock	9
Borecole	9
Brussels Sprouts	9
Carrot	12
Cabbage,	10, 11
Cauliflower	12
Celery and Celeriac	13
Cress	14
Corn, Sweet	14
Corn, Pop	15
Cucumber	16
Egg Plant	17
Endive	17
Garlic	17
Herbs	17
Kohl Rabi	17
Leek	17
Lettuce	18

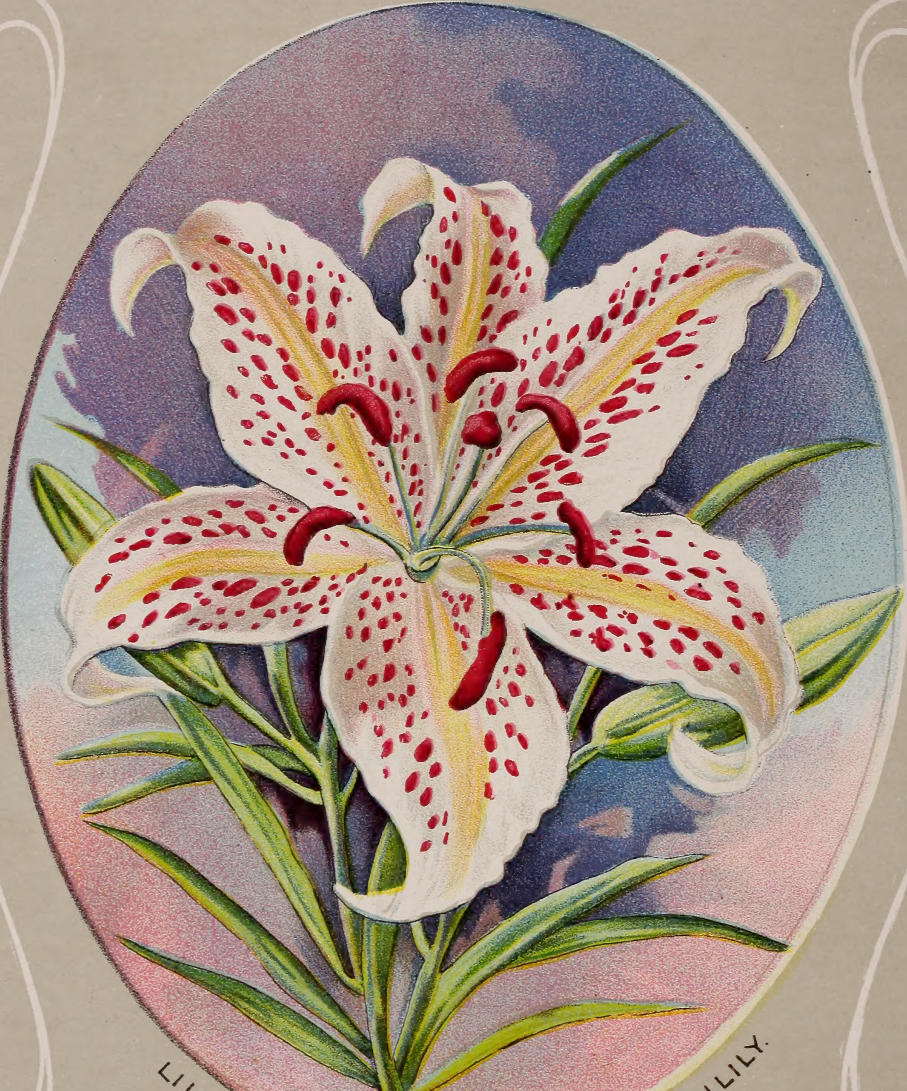
VEGETABLES

	PAGE
Mangel Wurtzel	9
Melon, Musk	19
Melon, Water	20
Mushroom Spawn	21
Mustard	21
Okra	21
Onion	22, 23
Parsley	24
Parsnips	24
Peas	25, 26
Pepper	24
Pumpkin	28
Radish	29
Rhubarb	30
Ruta Baga	32
Salsify	30
Spinach	30
Squash	30
Sugar Beet	9
Tobacco Seed	32
Tomato	31
Turnip	32

FARM SEEDS

	PAGE
Barley	86
Buckwheat	36
Broom Corn	36
Clover.	39
Field Corn	34, 35
Field Peas	38
Grass Seeds, Recleaned	38
Grass Seed Mixtures	41
Hungarian	38
Kaffir Corn	37
Lawn Grass	42
Millet	37
Oats	33
Potatoes,	27, 28
Rape, Dwarf Essex	38
Sweet Corn for Fodder	38
Sugar Cane	38
Vetches or Tares	38

Flower Seeds. (Closely arranged to alphabetical order)	43, 65
Bulbs that Flower in Summer. (Alphabetically arranged)	66, 71
Plant and Nursery Department, including Outdoor Plants. Climbers, Shrubs, Fruit and Ornamental Trees, Etc.	72-84
Implements, Garden Tools and Horticultural Sundries.	85, 86, 87, 90, 93
Insect Remedies; Fertilizers for the soil; Sprayers and Dusting Implements.	88, 89



LILIUM AURATUM-GOLD BANDED JAPAN LILY.